

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

The following classification changes will be effected by this Notice of Changes :

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	F16K	15/181, 15/183, 15/185, 15/186, 15/188
	Y10T	137/7893, 137/7894, 137/7895, 137/7896
Symbols New:	F16K	15/034, 15/064, 15/065, 15/067, 15/1401, 15/1402, 15/1441, 15/1471, 15/1472, 15/1481, 15/161, 15/162, 15/182, 15/1821, 15/1823, 15/1825, 15/1826, 15/184, 15/1841, 15/1843, 15/1845, 15/1848
	F16K	27/0232
	F16K	47/01, 47/011, 47/0111, 47/0112, 47/012
	F16K	2200/00, 2200/10, 2200/101, 2200/102, 2200/20, 2200/201, 2200/202, 2200/203, 2200/204, 2200/30, 2200/301, 2200/302, 2200/303, 2200/304, 2200/305, 2200/3051, 2200/3052, 2200/3053, 2200/40, 2200/401, 2200/402, 2200/50, 2200/501, 2200/502
Titles Changed:	F16K	15/025, 15/03, 15/031, 15/033, 15/044, 15/063
	F16K	47/00, 47/02
Warnings New:	F16K	15/00, 15/02, 15/025, 15/026, 15/03, 15/031, 15/033, 15/034, 15/035, 15/036, 15/038, 15/042, 15/044, 15/06, 15/063, 15/064, 15/065, 15/066, 15/067, 15/08, 15/14, 15/1401, 15/1402, 15/141, 15/144, 15/1441, 15/145, 15/147, 15/1471, 15/1472, 15/148, 15/1481, 15/16, 15/161, 15/162, 15/18, 15/182, 15/1821, 15/1823, 15/1825, 15/1826, 15/184, 15/1841, 15/1843, 15/1845, 15/1848, 15/207
	F16K	17/00
	F16K	27/0227, 27/0232
	F16K	47/00, 47/01, 47/011, 47/02, 47/023
DEFINITIONS:		

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
Definitions New:	F16K	15/021, 15/023, 15/025, 15/028, 15/03, 15/031, 15/033, 15/034, 15/035, 15/036, 15/038, 15/04, 15/042, 15/044, 15/046, 15/048, 15/06, 15/063, 15/064, 15/065, 15/066, 15/067, 15/08, 15/10, 15/12, 15/14, 15/1401, 15/1402, 15/141, 15/142, 15/144, 15/1441, 15/145, 15/147, 15/1471, 15/1472, 15/148, 15/1481, 15/16, 15/161, 15/162, 15/18, 15/182, 15/1821, 15/1823, 15/1825, 15/1826, 15/184, 15/1841, 15/1843, 15/1845, 15/1848, 15/20, 15/202, 15/205, 15/207,
	F16K	27/0232
	F16K	47/01, 47/011, 47/0111, 47/0112, 47/012, 47/02, 47/023, 47/026,
	F16K	2200/10, 2200/101, 2200/102, 2200/20, 2200/201, 2200/202, 2200/203, 2200/204, 2200/30, 2200/301, 2200/302, 2200/303, 2200/304, 2200/305, 2200/3051, 2200/3052, 2200/3053, 2200/40, 2200/401, 2200/402, 2200/50, 2200/501, 2200/502
Definitions Modified:	F16K	1/00
	F16K	15/00, 15/02

No other subclasses/groups are impacted by this Notice of Changes.

This Notice of Changes includes the following [Check the ones included]:

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3. REVISION CONCORDANCE LIST (RCL)

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS F16K- VALVES; TAPS; COCKS; ACTUATING-FLOATS; DEVICES FOR VENTING OR AERATING

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
T	F16K15/025	2	{the valve being loaded by a spring (F16K 15/03 - F16K 15/12 take precedence)}	
C	F16K15/03	2	with a hinged closure member {or with a pivoted closure member}	F16K 15/03, F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 15/036, F16K 15/038, F16K 2200/101, F16K 2200/00, F16K 2200/10, F16K 15/00, F16K 15/02, F16K 15/021, F16K 15/023, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/04, F16K 15/042, F16K 15/044, F16K 15/046, F16K 15/048, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/067, F16K 15/08, F16K 15/10, F16K 15/12, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 15/16, F16K 15/161, F16K 15/162, F16K 15/18, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848, F16K 15/20, F16K 15/202, F16K 15/205, F16K 15/207, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title “CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	F16K15/031	3	{the hinge being flexible }	F16K 15/031, F16K 15/034, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	F16K15/033	3	{spring-loaded }	F16K15/033, F16K 15/034, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
N	F16K15/034	3	{weight-loaded }	
C	F16K15/035	3	{with a plurality of valve members }	F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	F16K15/036	4	{Dual valve members with hinges crossing the flow line }	F16K15/031, F16K15/033, F16K15/034, F16K15/036, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title “CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
			substantially diametrical}	F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	F16K15/038	5	{having a common hinge }	F16K15/031, F16K15/033, F16K15/034, F16K15/038, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	F16K15/042	3	{with a plurality of balls }	F16K15/042, F16K15/044, F16K15/046, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
T	F16K15/044	3	{spring-loaded }	
C	F16K15/06	2	with guided stems	F16K15/06, F16K15/063, F16K15/064, F16K15/065, F16K15/066, F16K15/067, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	F16K15/063	3	{the valve being loaded by a spring }	F16K15/063, F16K15/064, F16K15/065, F16K15/066, F16K15/067, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title “CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
N	F16K15/064	4	{with a spring other than a helicoidal spring }	
N	F16K15/065	4	{spring pulling the closure member against the seat }	
C	F16K 15/066	4	{with a plurality of valve members }	F16K15/063, F16K15/064, F16K15/065, F16K15/066, F16K15/067, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
N	F16K 15/067	3	{stem guided at two or more points }	
C	F16K15/14	1	with flexible valve members	F16K15/14, F16K15/1401, F16K15/1402, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
N	F16K15/1401	2	{having a plurality of independent valve members }	
N	F16K15/1402	2	{having an integral flexible member cooperating with a plurality of seating surfaces }	

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title “CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
C	F16K15/144	2	{the closure elements being fixed along all or a part of their periphery }	F16K15/1401, F16K15/1402, F16K15/144, F16K15/1441, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
N	F16K15/1441	3	{with biasing means in addition to material resiliency, e.g. spring }	
C	F16K15/147	3	{the closure elements having specially formed slits or being of an elongated easily collapsible form }	F16K15/1401, F16K15/1402, F16K15/1441, F16K15/147, F16K15/1471, F16K15/1472, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
N	F16K15/1471	4	{slits arranged along multiple axes }	
N	F16K15/1472	4	{the closure elements being fixed onto an internally extending mount }	
C	F16K15/148	2	{the closure elements being fixed in their centre }	F16K15/1401, F16K15/1402, F16K15/148, F16K15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title “CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
N	F16K15/1481	3	{with biasing means in addition to material resiliency, e.g. spring}	
C	F16K15/16	2	with tongue-shaped laminae	F16K15/1401, F16K15/1402, F16K15/16, F16K15/161, F16K15/162, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
N	F16K15/161	3	{with biasing means in addition to material resiliency, e.g. spring}	
N	F16K15/162	3	{with limit stop}	
C	F16K15/18	1	with actuating mechanism; Combined check valves and actuated valves	F16K15/18, F16K15/182, F16K15/184, F16K15/1841, F16K15/1843, F16K15/1845, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
D	F16K15/181	2	{for check valves with a hinged closure member (F16K15/188 takes precedence)}	<administrative transfer to F16K15/1821>
N	F16K15/182	2	{with actuating mechanism}	
Q	F16K15/1821	3	{for check valves with a hinged or pivoted closure member}	F16K15/1821, F16K15/1841, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title “CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
Q	F16K15/1823	3	{for ball check valves }	F16K15/1823, F16K15/1843
Q	F16K15/1825	3	{for check valves with flexible valve members }	F16K15/1825, F16K15/1845, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
N	F16K15/1826	3	{Check valves which can be actuated by a pilot valve }	
D	F16K15/183	2	{for ball check valves (F16K 15/186, F16K 15/188 take precedence)}	<administrative transfer to F16K15/1823>
N	F16K15/184	2	{Combined check valves and actuated valves }	
N	F16K15/1841	3	{for check valves with a hinged closure member }	
N	F16K15/1843	3	{for ball check valves }	
N	F16K15/1845	3	{for check valves with flexible valve members }	
N	F16K15/1848	3	{Check valves combined with valves having a rotating tap or cock }	
D	F16K15/185	2	{for check valves with flexible valve members (F16K 15/188 takes precedence)}	<administrative transfer to F16K15/1825>
D	F16K15/186	2	{Check valves which can be actuated by a pilot valve }	<administrative transfer to F16K15/1826>
D	F16K15/188	2	{Check valves combined with valves having a rotating tap or cock }	<administrative transfer to F16K15/1848>

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title “CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
C	F16K27/0227	3	{with the valve members swinging around an axis located at the edge of or outside the valve member}	F16K27/0227, F16K27/0232
N	F16K27/0232	4	{the valve member retained by a removable closure}	
C	F16K47/00	0	Means in valves for absorbing fluid energy (for pipes F16L55/00)	F16K47/00, F16K47/01, F16K47/011, F16K47/0111, F16K47/0112, F16K47/012, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
N	F16K47/01	1	{Damping of valve members }	
N	F16K47/011	2	{by means of a dashpot}	
N	F16K47/0111	3	{the valve members comprising a plunger sliding within a fixed dashpot}	
N	F16K47/0112	3	{the valve members comprising a dashpot sliding over a fixed plunger}	
N	F16K47/012	2	{by means of a resilient damping element}	
C	F16K47/02	1	for preventing water-hammer or noise	F16K47/01, F16K47/011, F16K47/0111, F16K47/0112, F16K47/012, F16K47/02, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title “CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
C	F16K47/023	2	{for preventing water-hammer, e.g. damping of the valve movement }	F16K47/01, F16K47/011, F16K47/0111, F16K47/0112, F16K47/012, F16K47/023, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
N	F16K2200/00	0	Details of valves	
N	F16K2200/10	1	Means for compensation of misalignment between seat and closure member	
N	F16K2200/101	2	closure member self-aligning to seat	
N	F16K2200/102	2	seat self-aligning to closure member	
N	F16K2200/20	1	Common housing having a single inlet, a single outlet and multiple valve members	
N	F16K2200/201	2	of diverse type, size or shape	
N	F16K2200/202	2	one valve arranged inside of the valve member of a second valve, e.g. nested valve members	
N	F16K2200/203	2	in parallel	
N	F16K2200/204	2	in series	
N	F16K 2200/30	1	Spring arrangements	
N	F16K 2200/301	2	Common spring for multiple closure members	
N	F16K2200/302	2	Plurality of biasing means, e.g. springs, for opening or closing single valve member	
N	F16K2200/303	2	Means for protecting the spring in the fluid flow path	

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title “CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
N	F16K2200/304	2	Adjustable spring pre-loading	
N	F16K2200/305	2	Constructional features of springs	
N	F16K2200/3051	3	Generally flat springs	
N	F16K2200/3052	3	Cantilever springs	
N	F16K2200/3053	3	Helicoidal springs of variable pitch, diameter or spring rate	
N	F16K 2200/40	1	Bleeding means in closed position of the valve, e.g. bleeding passages	
N	F16K 2200/401	2	arranged on the closure member	
N	F16K 2200/402	2	arranged on the valve housing or seat	
N	F16K 2200/50	1	Self-contained valve assemblies	
N	F16K 2200/501	2	Cartridge valves	
N	F16K 2200/502	2	Cages for valves, i.e. means to be inserted within the valve housing, surrounding and guiding the closure member	

SUBCLASS: Y10T 137/00 – Fluidhandling

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
C	Y10T 137/7837	2	Direct response valves [i.e., check valve type]	Y10T 137/7837, F16K 15/00, F16K 15/02, F16K 15/021,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 15/023, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/03, F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 15/036, F16K 15/038, F16K 15/04, F16K 15/042, F16K 15/044, F16K 15/046, F16K 15/048, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/067, F16K 15/08, F16K 15/10, F16K 15/12, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 15/16, F16K 15/161, F16K 15/162, F16K 15/18, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848, F16K 15/20, F16K 15/202, F16K 15/205, F16K 15/207, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7838	3	Plural	Y10T 137/7838, F16K 15/035, F16K 15/042, F16K 15/066, F16K 15/1401, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848 F16K 15/207, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7839	4	Dividing and recombining in a single flow path	Y10T 137/7839, F16K 15/035, F16K 15/042, F16K 15/066, F16K 15/1402, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 15/1848, F16K 15/207, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/784	5	Integral resilient member forms plural valves	Y10T 137/784, F16K15/1402
C	Y10T 137/7841	4	One valve carries head and seat for second valve	Y10T 137/7841, F16K 15/035, F16K 15/042, F16K 15/066, F16K 15/1402, F16K 15/1472, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848, F16K 15/207, F16K 2200/202, F16K 2200/00, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7842	4	Diverse types	Y10T 137/7842, F16K 15/035, F16K 15/042, F16K 15/066, F16K 15/1401, F16K 15/1402, F16K 15/1472, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848 F16K 15/207, F16K 2200/201, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502 F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7843	4	Integral resilient member forms plural valves	Y10T 137/7843, F16K15/1402
C	Y10T 137/7845	4	With common biasing means	Y10T 137/7845, F16K 15/035, F16K 15/042, F16K 15/066, F16K 15/1401, F16K 15/1402, F16K 15/1472, F16K 15/18, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848, F16K 15/207, F16K 2200/201 F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7846	4	Mechanically interconnected	Y10T 137/7846, F16K 15/035, F16K 15/042, F16K 15/066, F16K 15/1401, F16K 15/1402, F16K 15/1472, F16K 15/18, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848, F16K 15/207, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7847	3	With leak passage	Y10T 137/7847, F16K 2200/40, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7848	4	Permits flow at valve interface	Y10T 137/7848, F16K 2200/401, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7849	4	Bypass in valve casing	Y10T 137/7849, F16K 2200/402, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/785	3	With retarder or dashpot	Y10T 137/785, F16K 47/011, F16K 47/0111, F16K 47/0112, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502 F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7851	4	End of valve forms dashpot chamber	Y10T 137/7851, F16K 47/011, F16K 47/0111, F16K 47/0112, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502 F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7852	4	End of valve moves inside dashpot chamber	Y10T 137/7852, F16K 47/011, F16K 47/0111, F16K 47/0112, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502 F16K 17/00, F16K 17/003, F16K 17/006, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7853	5	Enlarged piston on end of valve stem	Y10T 137/7853, F16K 47/011, F16K 47/0111, F16K 47/0112, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number</u> <u>of dots</u> <u>(e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 2200/501, F16K 2200/502 F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
U	Y10T 137/7854	3	In couplings for coaxial conduits, e.g., drill pipe check valves	
U	Y10T 137/7855	4	Valve seat threaded into a coupling element	
U	Y10T 137/7856	4	Valve seat formed on or carried by a coupling element	
U	Y10T 137/7857	4	Valve seat clamped between coupling elements	
U	Y10T 137/7858	3	With means for selecting area of valve or seat	
C	Y10T 137/7859	3	Single head, plural ports in parallel	Y10T 137/7859, F16K 2200/203, F16K 17/00, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/786	4	Concentric ports	Y10T 137/786, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7861	4	Annular head	Y10T 137/7861, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7862	5	Central post on seat	Y10T 137/7862, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7863	6	Stop	Y10T 137/7863, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7864	7	With guide	Y10T 137/7864, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7865	6	Guide	Y10T 137/7865, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7866	3	Plural seating	Y10T 137/7866,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7867	4	Sequential	Y10T 137/7867, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7868	5	Resilient gasket	Y10T 137/7868, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
U	Y10T 137/7869	3	Biased open	
U	Y10T 137/787	4	Oppositely swinging vanes	
U	Y10T 137/7871	4	Weight biased	
U	Y10T 137/7873	5	Ball valves	
U	Y10T 137/7874	5	Edge pivoted valve	
U	Y10T 137/7875	4	Pivoted valves	
C	Y10T 137/7876	3	With external means for opposing bias	Y10T 137/7876, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 17/168, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7877	4	With means for retaining external means in bias opposing position	Y10T 137/7877, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 17/168, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7878	3	With bias adjustment indicator	Y10T 137/7878, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 37/00, F16K 37/0008, F16K 37/0016, F16K 37/0025, F16K 37/0033, F16K 37/0041, F16K 37/005, F16K 37/0058, F16K 37/0066, F16K 37/0075, F16K 37/0083, F16K 37/0091
C	Y10T 137/7879	3	Resilient material valve	Y10T 137/7879, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/788	4	Having expansible port	Y10T 137/788, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7881	5	Apertured plate	Y10T 137/7881, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7882	5	Having exit lip	Y10T 137/7882, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7883	6	With biasing means	Y10T 137/7883, F16K15/1441
C	Y10T 137/7884	6	Side vent	Y10T 137/7884, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7885	6	Multiple slit	Y10T 137/7885, F16K15/1471
C	Y10T 137/7886	6	Internally extending mount	Y10T 137/7886, F16K15/1472
C	Y10T 137/7887	4	Center flexing strip	Y10T 137/7887, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7888	4	With valve member flexing about securement	Y10T 137/7888, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7889	5	Sleeve	Y10T 137/7889, F16K15/145
C	Y10T 137/789	5	Central mount	Y10T 137/789, F16K15/148
C	Y10T 137/7891	5	Flap or reed	Y10T 137/7891, F16K15/16
C	Y10T 137/7892	6	With stop	Y10T 137/7892, F16K15/162
D	Y10T 137/7893	6	With spring	<administrative transfer to F16K15/161>
D	Y10T 137/7894	6	With weight	<administrative transfer to F16K15/161>
D	Y10T 137/7895	5	Peripherally secured diaphragm	<administrative transfer to F16K15/144>
D	Y10T 137/7896	4	Annulus	<administrative transfer to F16K15/142>
U	Y10T 137/7897	3	Vacuum relief type	
C	Y10T 137/7898	3	Pivoted valves	Y10T 137/7898, F16K15/03, F16K15/031, F16K15/033, F16K15/034, F16K15/035, F16K15/036, F16K15/038
C	Y10T 137/79	4	Head retained by removable closure	Y10T 137/79, F16K27/0232
C	Y10T 137/7901	4	Valve head movably connected for accommodation to seat	Y10T 137/7901, F16K 15/03, F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 15/036, F16K 15/038, F16K 2200/101
U	Y10T 137/7902	4	Valve mounted on end of pipe	

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
U	Y10T 137/7903	4	Weight biased	
C	Y10T 137/7904	3	Reciprocating valves	Y10T 137/7904, F16K 15/02, F16K 15/021, F16K 15/023, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/03, F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 15/036, F16K 15/038, F16K 15/04, F16K 15/042, F16K 15/044, F16K 15/046, F16K 15/048, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/067, F16K 15/08, F16K 15/10, F16K 15/12, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7905	4	Plural biasing means	Y10T 137/7905, F16K 2200/302, F16K 15/02, F16K 15/021, F16K 15/023, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/03, F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 15/036, F16K 15/038, F16K 15/04, F16K 15/042, F16K 15/044, F16K 15/046, F16K 15/048, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/067, F16K 15/08, F16K 15/10, F16K 15/12 , F16K 17/00, F16K 17/003,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7906	4	Cam means for adjusting and fixing bias	Y10T 137/7906,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 2200/304, F16K 31/524, F16K 31/52408, F16K 31/52416, F16K 31/52425, F16K 31/52433, F16K 31/52441, F16K 31/5245, F16K 31/52458, F16K 31/52466, F16K 31/52475, F16K 31/52483, F16K 31/52491, F16K 15/02, F16K 15/021, F16K 15/023, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/03, F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 15/036, F16K 15/038, F16K 15/04, F16K 15/042, F16K 15/044, F16K 15/046, F16K 15/048, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/067, F16K 15/08, F16K 15/10, F16K 15/12, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303 F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
U	Y10T 137/7907	4	Varying effective lever arm	
U	Y10T 137/7908	4	Weight biased	
U	Y10T 137/7909	5	Valve body is the weight	
U	Y10T 137/791	6	Ball valves	
U	Y10T 137/7911	7	Removable cage	
U	Y10T 137/7912	7	Separable seat	
U	Y10T 137/7913	6	Guided head	
U	Y10T 137/7914	7	Cage	
U	Y10T 137/7915	7	Guide stem	
U	Y10T 137/7916	8	With closing stop	

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
U	Y10T 137/7917	8	Oppositely disposed	
U	Y10T 137/7918	8	Head slidable on guide rod	
U	Y10T 137/7919	8	Guide and seat integral unit	
U	Y10T 137/792	8	Guide and closure integral unit	
U	Y10T 137/7921	5	Weight coaxial with valve	
C	Y10T 137/7922	4	Spring biased	Y10T 137/7922, F16K15/025, F16K15/026, F16K15/028, F16K15/044, F16K15/046, F16K15/063, F16K15/064, F16K15/065, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053
C	Y10T 137/7923	5	With means to protect spring from fluid	Y10T 137/7923, F16K15/025, F16K15/026, F16K15/028, F16K15/044, F16K15/046, F16K15/063, F16K15/064, F16K15/065, F16K2200/303
C	Y10T 137/7924	5	Spring under tension	Y10T 137/7924, F16K15/065
C	Y10T 137/7925	5	Piston-type valves	Y10T 137/7925, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053
C	Y10T 137/7927	5	Ball valves	Y10T 137/7927, F16K 15/044, F16K 15/046, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053
C	Y10T 137/7928	6	With follower	Y10T 137/7928, F16K 15/044, F16K 15/046
C	Y10T 137/7929	5	Spring coaxial with valve	Y10T 137/7929, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/044, F16K 15/046, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204 F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
U	Y10T 137/793	6	Broken valve parts retainer	
C	Y10T 137/7931	6	Spring in inlet	Y10T 137/7931, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/044, F16K 15/046, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204 F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
U	Y10T 137/7932	6	Valve stem extends through fixed spring abutment	
U	Y10T 137/7933	7	Yoke or cage-type support for valve stem	
U	Y10T 137/7934	6	Spring abuts removable valve stem guide	
U	Y10T 137/7935	6	Head slides on guide-rod concentric with spring	
C	Y10T 137/7936	6	Spring guides valve head	Y10T 137/7936, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 2200/30,

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053
U	Y10T 137/7937	6	Cage-type guide for stemless valves	
C	Y10T 137/7938	6	Guide means integral and coplanar with valve disk	Y10T 137/7938, F16K 15/025, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/08, F16K 15/10, F16K 15/12, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053
C	Y10T 137/7939	6	Head between spring and guide	Y10T 137/7939, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/08, F16K 15/10, F16K 15/12, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD> , <administrative t ransfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

B. New, Modified or Deleted Warning(s)

SUBCLASS F16K- VALVES; TAPS; COCKS; ACTUATING-FLOATS; DEVICES FOR VENTING OR AERATING

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	F16K 15/00		Groups F16K 15/00, F16K 15/20, F16K 15/202 and F16K 15/205 are incomplete pending reclassification of documents from group F16K 15/03. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/02		Groups F16K 15/02, F16K 15/021, F16K 15/023, F16K 15/04 and F16K 15/048 are incomplete pending reclassification of documents from group F16K 15/03. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/025		Group F16K 15/025 is incomplete pending reclassification of documents from group F16K 15/03. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/026		Groups F16K 15/026 and F16K 15/028 are incomplete pending reclassification of documents from group F16K 15/03. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/03		Group F16K 15/03 is impacted by reclassification into groups F16K 15/031 - F16K 15/207 and F16K 17/00 - F16K 17/42. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/031		Group F16K 15/031 is incomplete pending reclassification of documents from groups F16K 15/03, F16K 15/035, F16K 15/036 and F16K 15/038. Group F16K 15/031 is also impacted by reclassification into group F16K 15/034. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/033		Group F16K 15/033 is incomplete pending reclassification of documents from groups F16K 15/03, F16K 15/035, F16K 15/036 and F16K 15/038. Group F16K 15/033 is also

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
			impacted by reclassification into group F16K 15/034. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/034		Group F16K 15/034 is incomplete pending reclassification of documents from groups F16K 15/03, F16K 15/031, F16K 15/033, F16K 15/035, F16K 15/036 and F16K 15/038. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/035		Group F16K 15/035 is incomplete pending reclassification of documents from group F16K 15/03. Group F16K 15/035 is also impacted by reclassification into groups F16K 15/031, F16K 15/033 and F16K 15/034. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/036		Group F16K 15/036 is incomplete pending reclassification of documents from group F16K 15/03. Group F16K 15/036 is also impacted by reclassification into groups F16K 15/031, F16K 15/033 and F16K 15/034. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/038		Group F16K 15/038 is incomplete pending reclassification of documents from group F16K 15/03. Group F16K 15/038 is also impacted by reclassification into groups F16K 15/031, F16K 15/033 and F16K 15/034. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/042		Group F16K 15/042 is incomplete pending reclassification of documents from group F16K 15/03. Group F16K 15/042 is also impacted by reclassification into groups F16K 15/044 and F16K 15/046. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/044		Groups F16K 15/044 and F16K 15/046 are incomplete pending reclassification of documents from groups F16K 15/03 and F16K 15/042.

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
			All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/06		Group F16K 15/06 is incomplete pending reclassification of documents from group F16K 15/03. Group F16K 15/06 is also impacted by reclassification into groups F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066 and F16K 15/067. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/063		Group F16K 15/063 is incomplete pending reclassification of documents from groups F16K 15/03, F16K 15/06 and F16K 15/066. Group F16K 15/063 is also impacted by reclassification into groups F16K 15/064, F16K 15/065, F16K 15/066 and F16K 15/067. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/064		Group F16K 15/064 is incomplete pending reclassification of documents from groups F16K 15/03, F16K 15/06, F16K 15/063 and F16K 15/066. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/065		Group F16K 15/065 is incomplete pending reclassification of documents from groups F16K 15/03, F16K 15/06, F16K 15/063 and F16K 15/066. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/066		Group F16K 15/066 is incomplete pending reclassification of documents from groups F16K 15/03, F16K 15/06 and F16K 15/063. Group F16K 15/066 is also impacted by reclassification into groups F16K 15/063, F16K 15/064, F16K 15/065 and F16K 15/067. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/067		Group F16K 15/067 is incomplete pending reclassification of documents from groups F16K 15/03, F16K 15/06, F16K 15/063 and F16K 15/066. All groups listed in this Warning should

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
			be considered in order to perform a complete search.
N	F16K 15/08		Groups F16K 15/08, F16K 15/10, and F16K 15/12 are incomplete pending reclassification of documents from group F16K 15/03. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/14		Group F16K 15/14 is incomplete pending reclassification of documents from group F16K 15/03. Group F16K 15/14 is also impacted by reclassification into groups F16K 15/1401 and F16K 15/1402. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/1401		Group F16K 15/1401 is incomplete pending reclassification of documents from groups F16K 15/03, F16K 15/14, F16K 15/144, F16K 15/147, F16K 15/148 and F16K 15/16. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/1402		Group F16K 15/1402 is incomplete pending reclassification of documents from groups F16K 15/03, F16K 15/14, F16K 15/144, F16K 15/147, F16K 15/148 and F16K 15/16. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/141		Groups F16K 15/141 and F16K 15/142 are incomplete pending reclassification of documents from group F16K 15/03. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/144		Group F16K 15/144 is incomplete pending reclassification of documents from group F16K 15/03. Group F16K 15/144 is also impacted by reclassification into groups F16K 15/1401, F16K 15/1402 and F16K 15/1441. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/1441		Group F16K 15/1441 is incomplete pending reclassification of documents from groups F16K 15/03, F16K 15/144 and F16K 15/147. All groups

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
			listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/145		Group F16K 15/145 is incomplete pending reclassification of documents from group F16K 15/03. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/147		Group F16K 15/147 is incomplete pending reclassification of documents from group F16K 15/03. Group F16K 15/147 is also impacted by reclassification into groups F16K 15/1401, F16K 15/1402, F16K 15/1441, F16K 15/1471 and F16K 15/1472. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/1471		Group F16K 15/1471 is incomplete pending reclassification of documents from groups F16K 15/03 and F16K 15/147. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/1472		Group F16K 15/1472 is incomplete pending reclassification of documents from groups F16K 15/03 and F16K 15/147. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/148		Group F16K 15/148 is incomplete pending reclassification of documents from group F16K 15/03. Group F16K 15/148 is also impacted by reclassification into groups F16K 15/1401, F16K 15/1402 and F16K 15/1481. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/1481		Group F16K 15/1481 is incomplete pending reclassification of documents from groups F16K 15/03 and F16K 15/148. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/16		Group F16K 15/16 is incomplete pending reclassification of documents from group F16K 15/03. Group F16K 15/16 is also impacted by reclassification into groups F16K 15/1401, F16K 15/1402, F16K 15/161

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
			and F16K 15/162. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/161		Group F16K 15/161 is incomplete pending reclassification of documents from groups F16K 15/03 and F16K 15/16. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/162		Group F16K 15/162 is incomplete pending reclassification of documents from groups F16K 15/03 and F16K 15/16. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/18		Group F16K 15/18 is incomplete pending reclassification of documents from group F16K 15/03. Group F16K 15/18 is also impacted by reclassification into groups F16K 15/182, F16K 15/184, F16K 15/1841, F16K 15/1843 and F16K 15/1845. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/182		Group F16K 15/182 is incomplete pending reclassification of documents from groups F16K 15/03 and F16K 15/18. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/1821		Group F16K 15/1821 is incomplete pending reclassification of documents from group F16K 15/03. Group F16K 15/1821 is also impacted by reclassification into group F16K 15/1841. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/1823		Group F16K 15/1823 is incomplete pending reclassification of documents from group F16K 15/03. Group F16K 15/1823 is also impacted by reclassification into group F16K 15/1843. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/1825		Group F16K 15/1825 is incomplete pending reclassification of documents from group F16K 15/03. Group F16K 15/1825 is also impacted by reclassification into group F16K

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
			15/1845. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/1826		Group F16K 15/1826 is incomplete pending reclassification of documents from group F16K 15/03. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/184		Group F16K 15/184 is incomplete pending reclassification of documents from groups F16K 15/03 and F16K 15/18. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/1841		Group F16K 15/1841 is incomplete pending reclassification of documents from groups F16K 15/03, F16K 15/18 and F16K 15/1821. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/1843		Group F16K 15/1843 is incomplete pending reclassification of documents from groups F16K 15/03, F16K 15/18 and F16K 15/1823. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/1845		Group F16K 15/1845 is incomplete pending reclassification of documents from groups F16K 15/03, F16K 15/18 and F16K 15/1825. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/1848		Group F16K 15/1848 is incomplete pending reclassification of documents from group F16K 15/03. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 15/207		Group F16K 15/207 is incomplete pending reclassification of documents from group F16K 15/03. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 17/00		Groups F16K 17/00 - F16K 17/42 are incomplete pending reclassification of documents from group F16K 15/03. All groups listed in this Warning should be considered in order to perform a complete search.

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	F16K 27/0227		Group F16K 27/0227 is impacted by reclassification into group F16K 27/0232. Groups F16K 27/0227 and F16K 27/0232 should be considered in order to perform a complete search.
N	F16K 27/0232		Group F16K 27/0232 is incomplete pending reclassification of documents from group F16K 27/0227. Groups F16K 27/0227 and F16K 27/0232 should be considered in order to perform a complete search.
N	F16K 47/00		Group F16K 47/00 is impacted by reclassification into groups F16K 47/01, F16K 47/011, F16K 47/0111, F16K 47/0112 and F16K 47/012. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 47/01		Groups F16K 47/01 and F16K 47/012 are incomplete pending reclassification of documents from groups F16K 47/00, F16K 47/02 and F16K 47/023. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 47/011		Groups F16K 47/011, F16K 47/0111, and F16K 47/0112 are incomplete pending reclassification of documents from groups F16K 47/00, F16K 47/02 and F16K 47/023. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 47/02		Group F16K 47/02 is impacted by reclassification into groups F16K 47/01, F16K 47/011, F16K 47/0111, F16K 47/0112 and F16K 47/012. All groups listed in this Warning should be considered in order to perform a complete search.
N	F16K 47/023		Group F16K 47/023 is impacted by reclassification into groups F16K 47/01, F16K 47/011, F16K 47/0111, F16K 47/0112 and F16K 47/012. All groups listed in this Warning should be considered in order to perform a complete search.

Warnings are not used in indexing files.

*N = new warning, M = modified warning, D = deleted warning

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

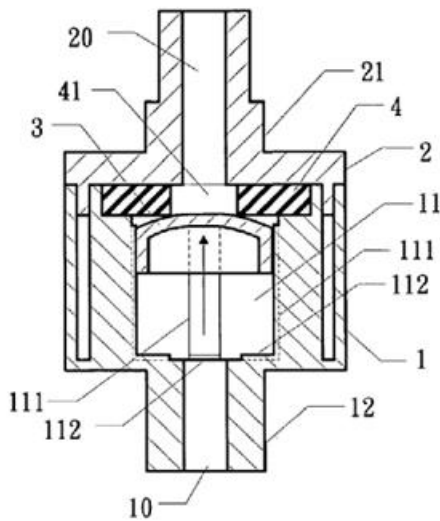
2. A. DEFINITIONS (new)

F16K 15/021

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



References

Limiting References:

This place does not cover:

Check valves with guided rigid valve members having particular constructional features.

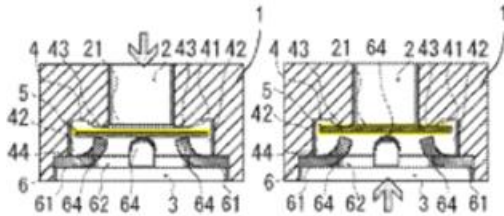
F16K 15/025 - F16K 15/12

F16K15/023

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

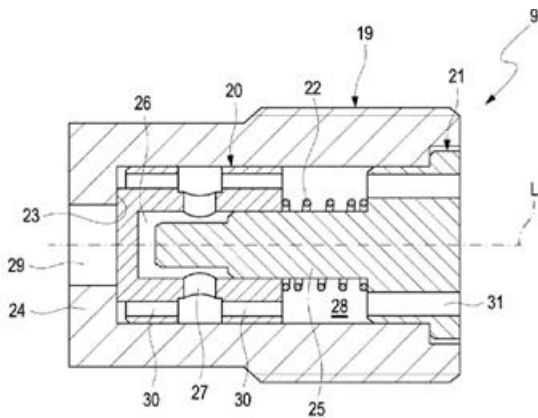
Disc valves in compressors	F04B39/102
----------------------------	------------

F16K 15/025

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



References

Limiting References:

This place does not cover:

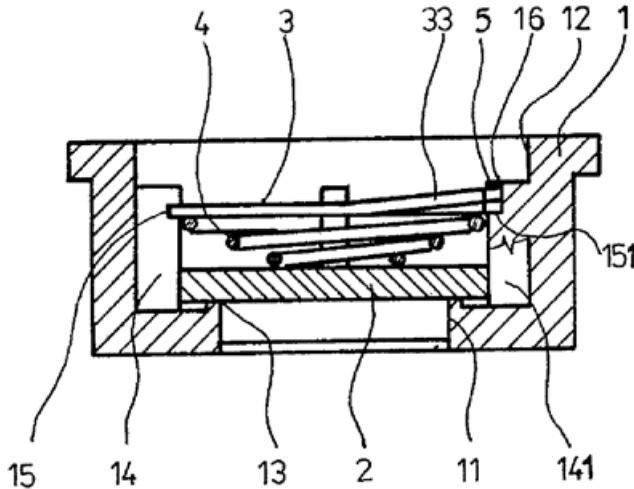
Check valves with guided rigid valve members being loaded by a spring of particular constructional types covered by groups	F16K 15/03 - F16K 15/12
----------------------------------------------------------------------------------------------------------------------------	-------------------------

F16K 15/028

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



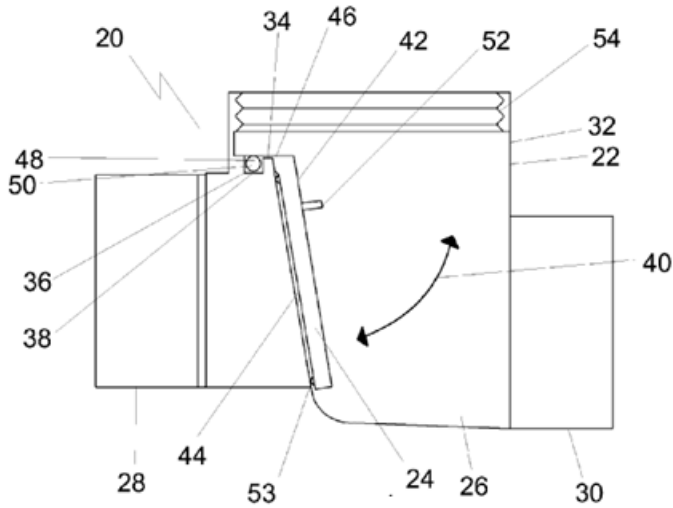
F16K 15/03

Definition statement

This place covers:

Check valves with a hinged closure member or with a pivoted closure member.

Illustrative example of subject matter classified in this group.



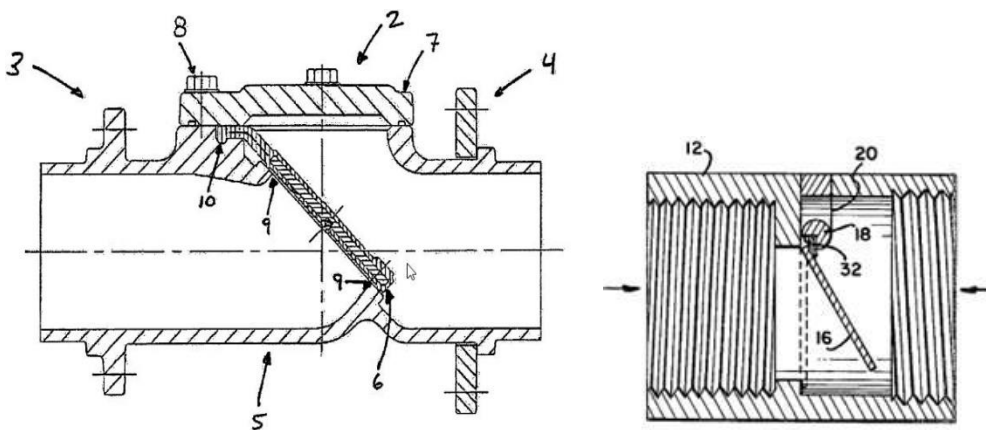
F16K 15/031

Definition statement

This place covers:

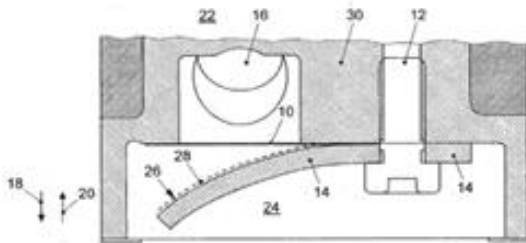
Rigid valve members connected by a hinge formed of a flexible member.

Illustrative example of subject matter classified in this group.



Special rules of classification

For purposes of classification, pivoted valves as shown below, would be considered as flexible member are NOT classified here, and are normally placed in [F16K 15/14 - F16K 15/16](#).



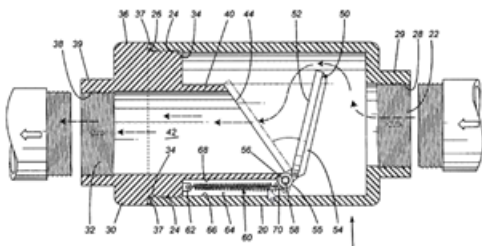
Even though hinge (24) is flexible, since the valve member is also flexible and not rigid, it would be better classified in [F16K15/14-F16K15/16](#).

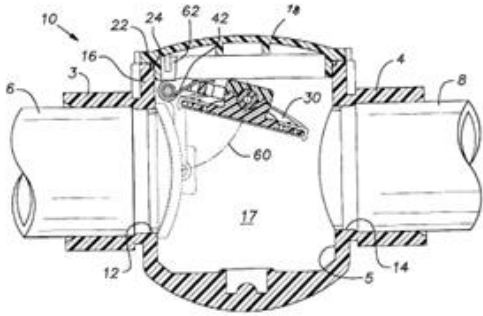
F16K 15/033

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



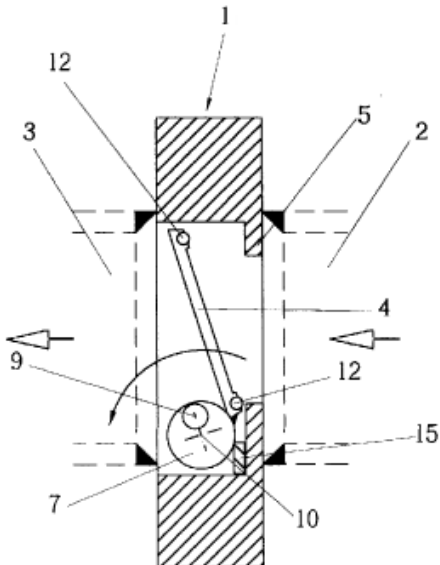


F16K 15/034

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

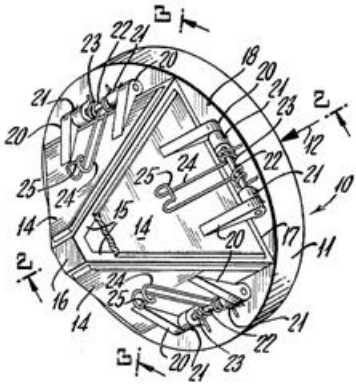


F16K 15/035

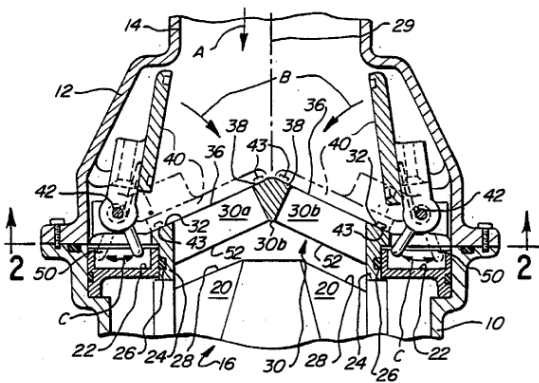
Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



Centrifugal pump with splitter vane/shut-off valve system

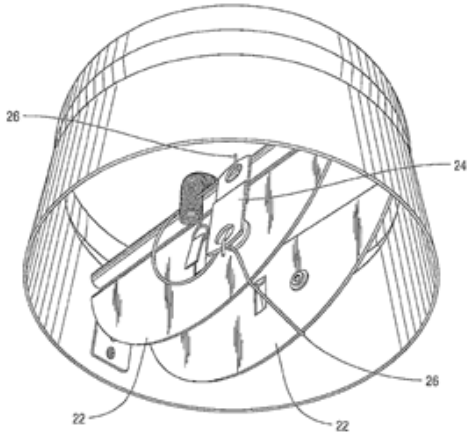


F16K 15/036

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

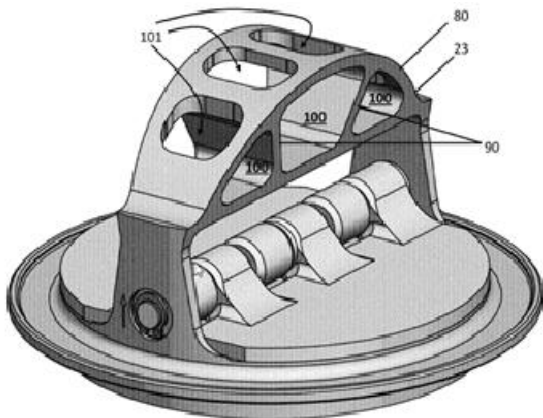


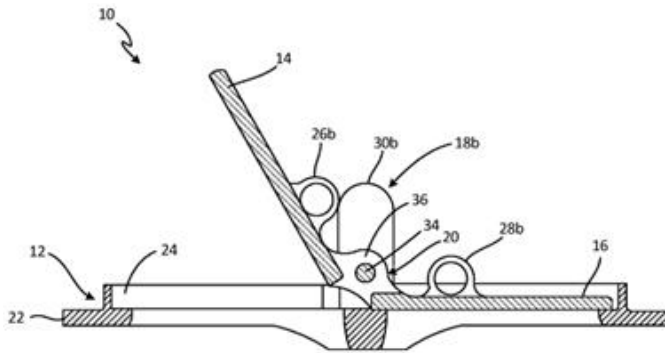
F16K 15/038

Definition statement

This place covers:

Illustrative examples of subject matter classified in this group.



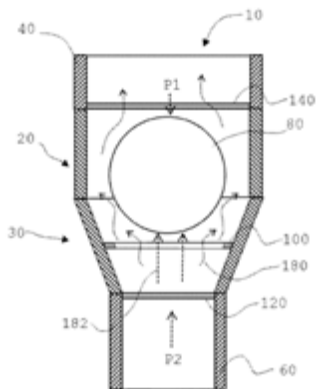


F16K 15/04

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



References

Application-oriented references:

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

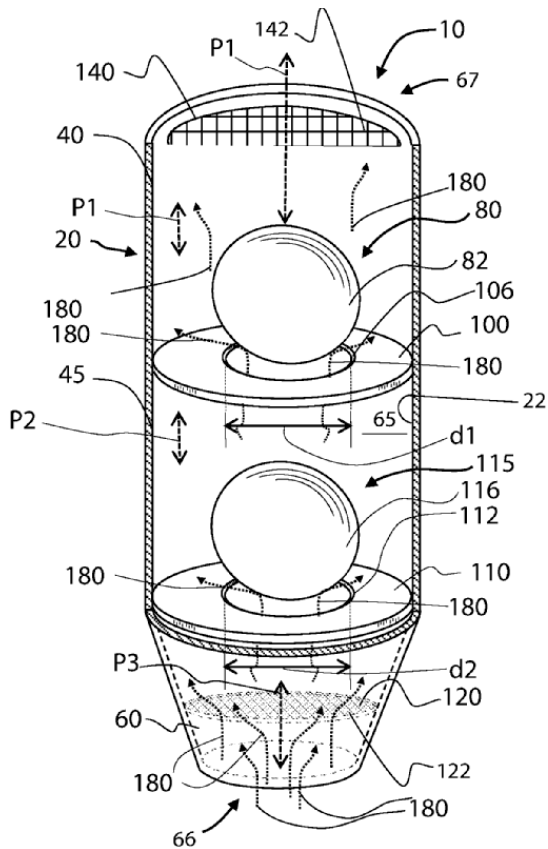
Ball valves in devices for introducing media into, or onto, the body	A61M2039/248
Ball valves in positive displacement machines, pumps	F04B39/1006

F16K 15/042

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

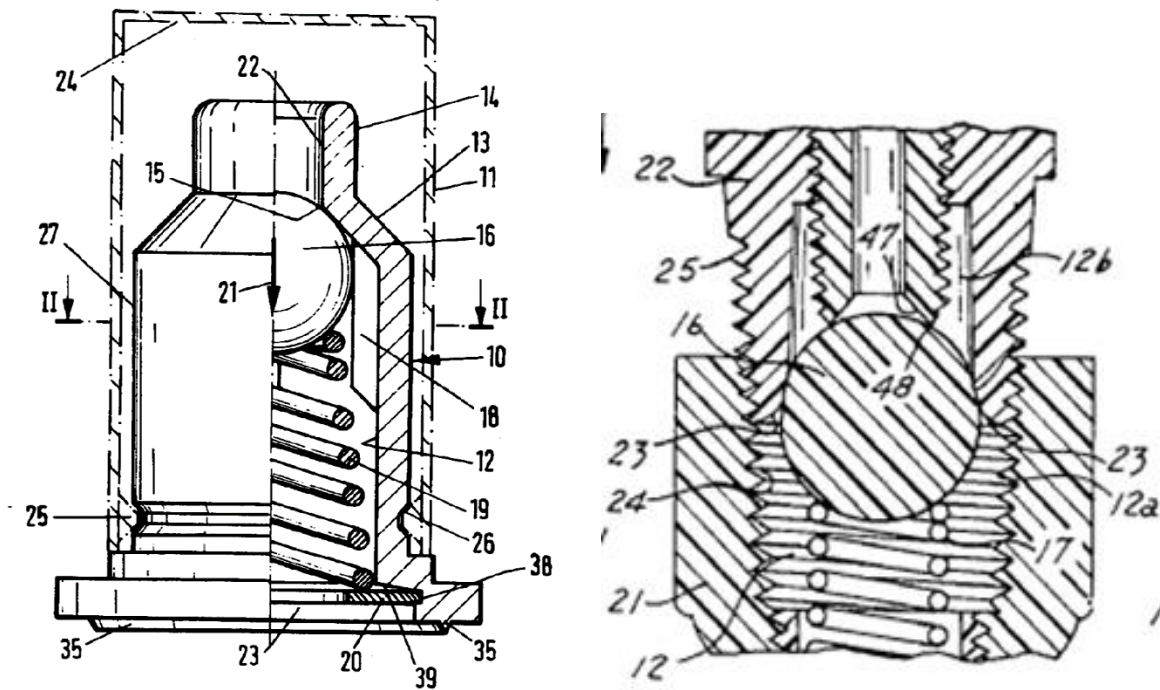


F16K 15/044

Definition statement

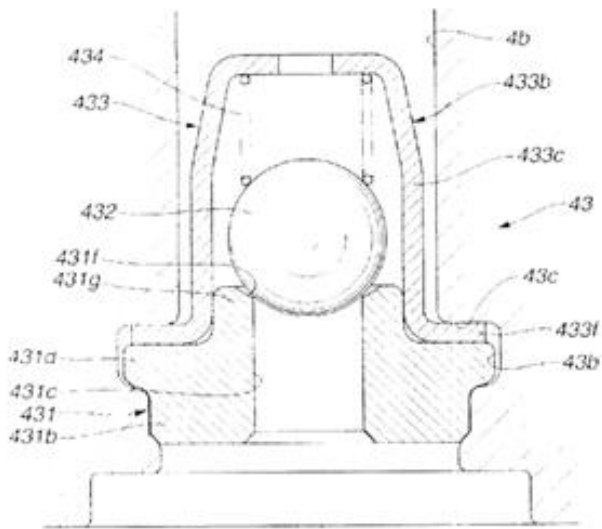
This place covers:

Illustrative example of subject matter classified in this group.



DATE: AUGUST 1, 2021

PROJECT RP0441



F16K 15/046

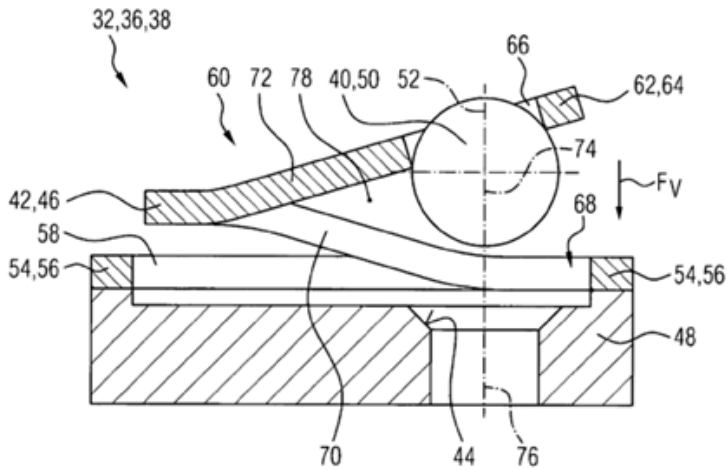
Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



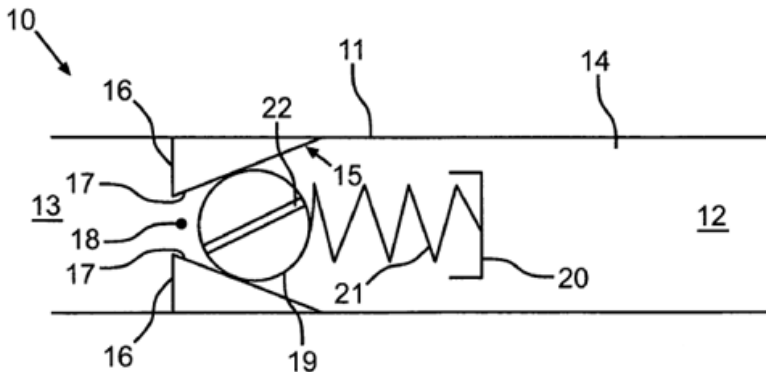
F16K 15/048

Definition statement

This place covers:

Ball valves in which the ball has features considered to be special characteristics in view of the inventive concept.

Illustrative example of subject matter classified in this group.

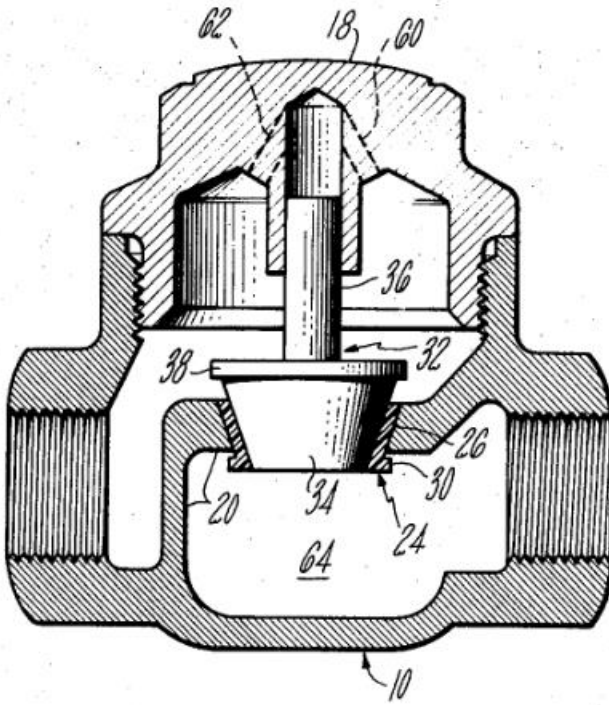


F16K 15/06

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



References

Application-oriented references:

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Check valves with guided stems in devices for introducing media into, or onto, the body

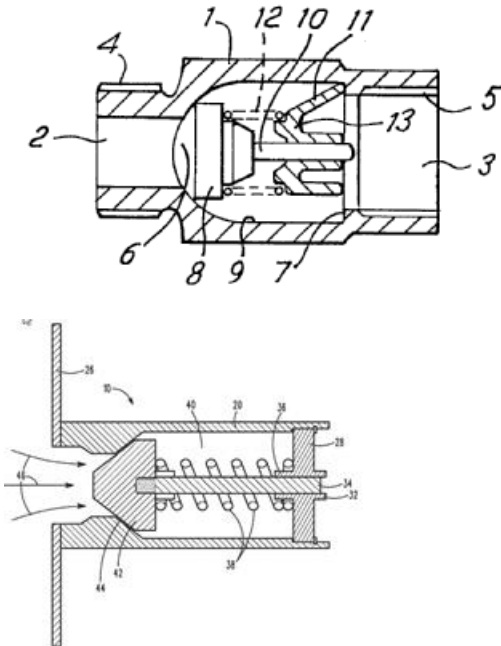
A61M2039/2486

F16K 15/063

Definition statement

This place covers:

Illustrative examples of subject matter classified in this group.

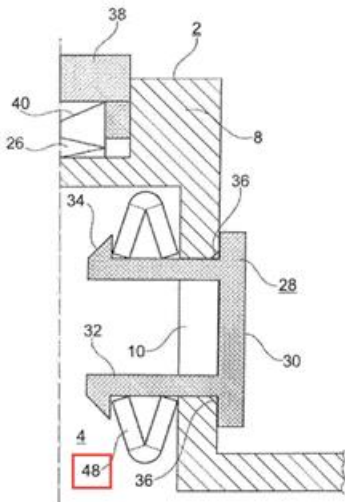
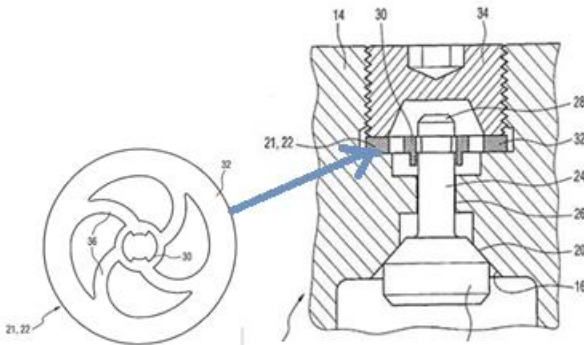


F16K 15/064

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



F16K 15/065

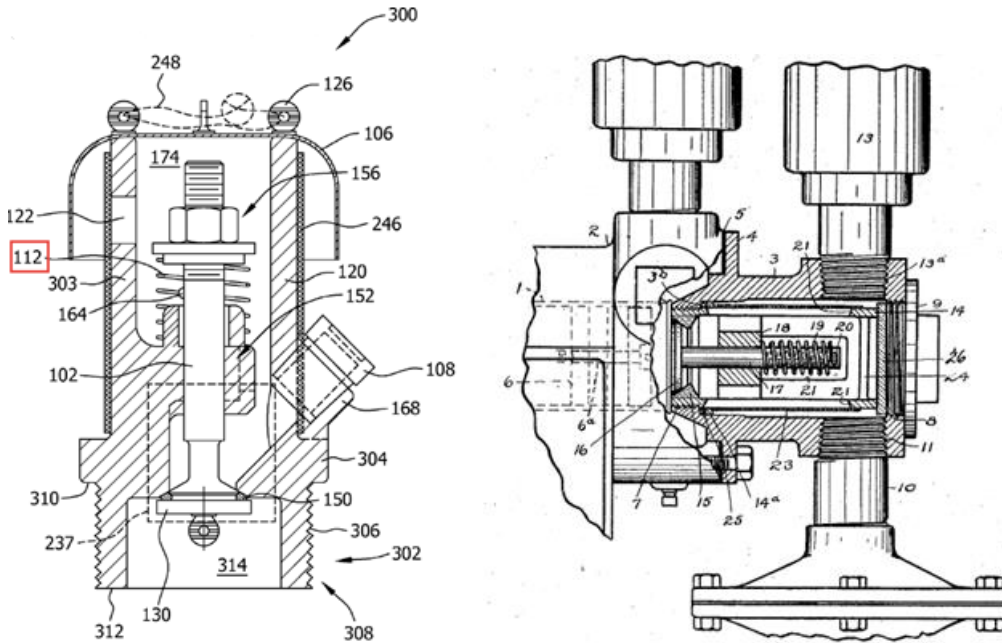
Definition statement

DATE: AUGUST 1, 2021

PROJECT RP0441

This place covers:

Illustrative examples of subject matter classified in this group.



F16K 15/066

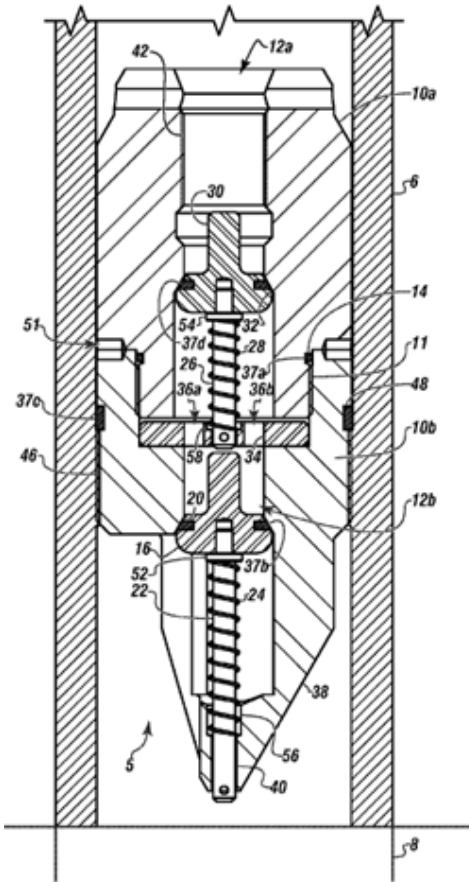
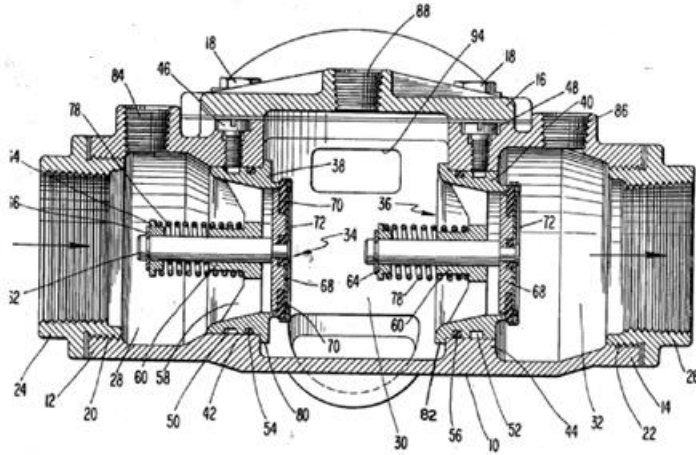
Definition statement

This place covers:

Illustrative examples of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



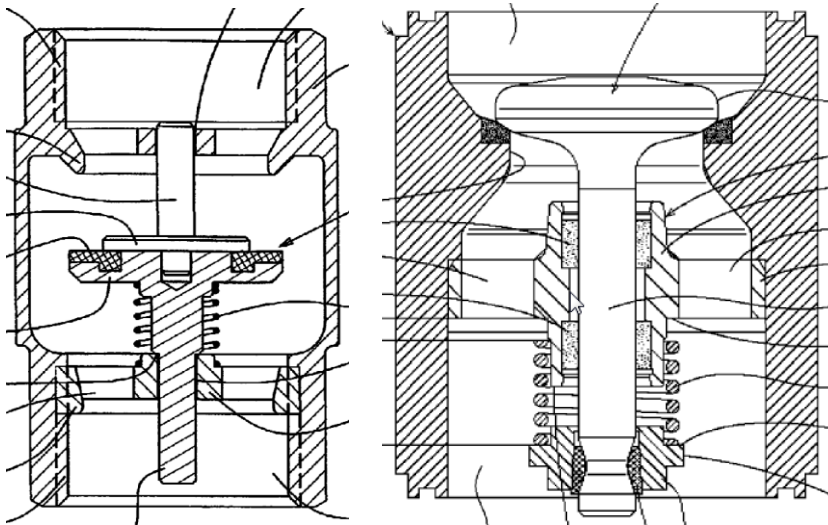
F16K 15/067

Definition statement

This place covers:

Valves where the stem is guided at two or more points along the longitudinal axis of the valve member.

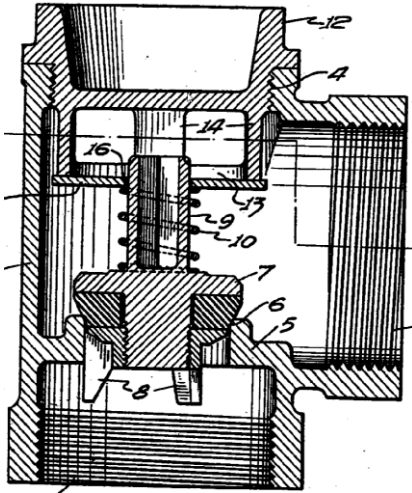
Illustrative example of subject matter classified in this group.



A guided closure member is also considered a guide point, as illustrated below.

DATE: AUGUST 1, 2021

PROJECT RP0441



F16K 15/08

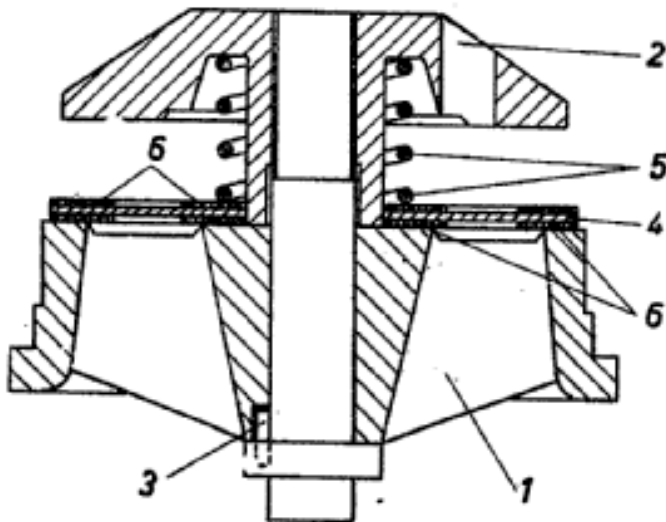
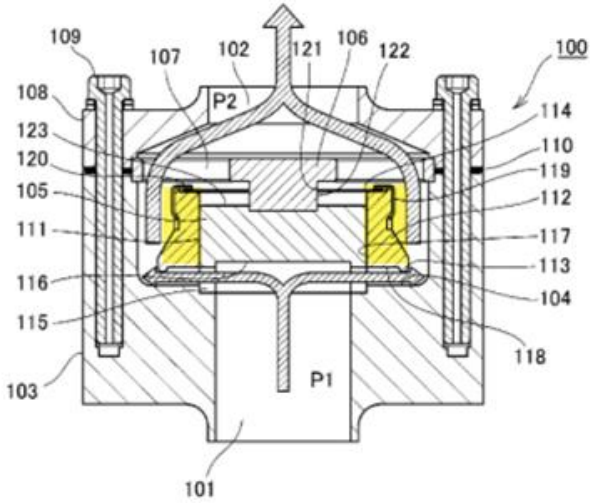
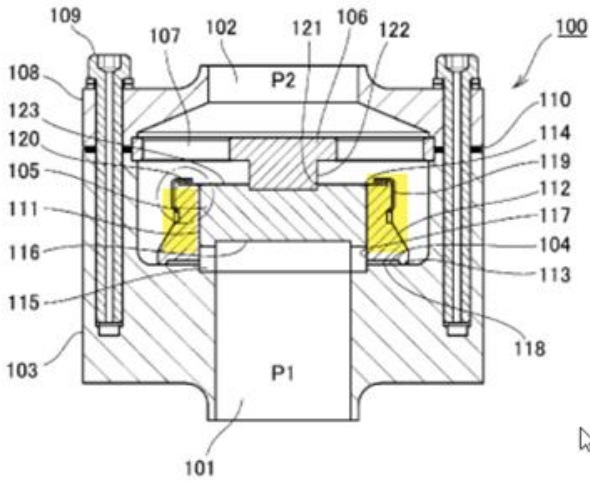
Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441

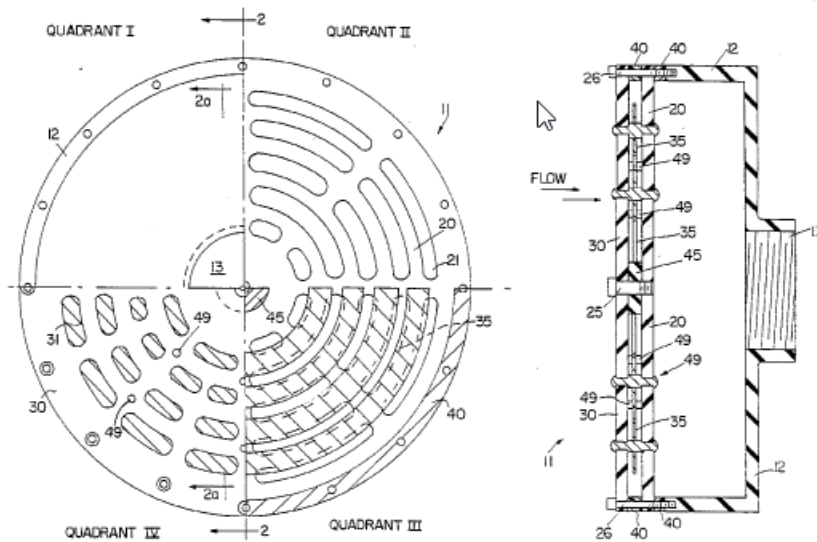


F16K 15/10

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



References

Application-oriented references:

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

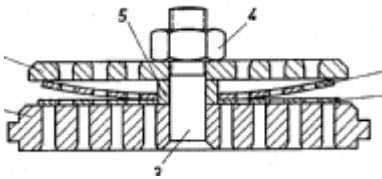
Annular disc valves in compressors	F04B 39/1033
Hoerbiger valves in compressors	F04B 39/1053

F16K 15/12

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



F16K 15/14

Definition statement

This place covers:

Check valve in which the valve member is made of resilient deformable material which yields in response to pressure to open the valve.

References

Application-oriented references:

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

DATE: AUGUST 1, 2021

PROJECT RP0441

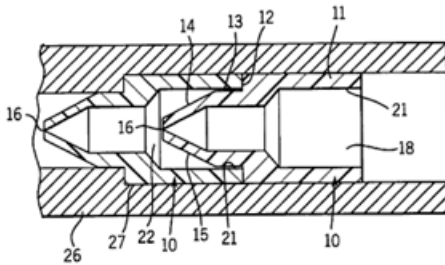
Slit valve specially adapted for medical use	A61M2039/2426
Valve comprising a resilient or deformable element specially adapted for medical use	A61M2039/2433 - A61M2039/2466
Valves formed of one or more flexible elements in positive displacement machines for liquids; pumps	F04B53/1047 - F04B53/107

F16K 15/1401

Definition statement

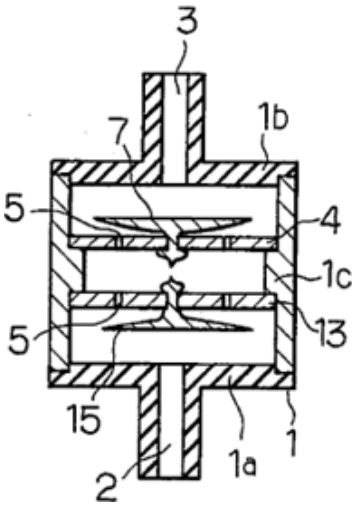
This place covers:

Illustrative example of subject matter classified in this group.



DATE: AUGUST 1, 2021

PROJECT RP0441



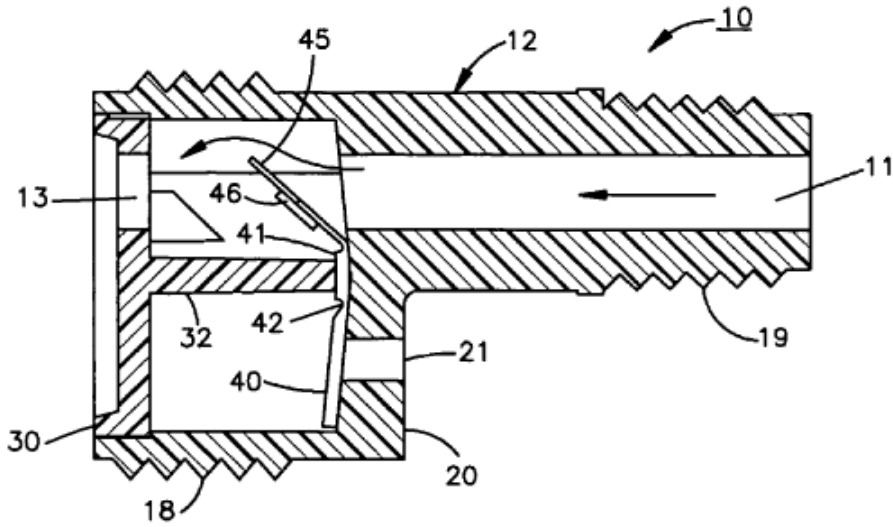
F16K 15/1402

Definition statement

This place covers:

A single flexible valve member controls the flow through a plurality of openings, by cooperating with the seating surface of each of the individual openings.

Illustrative example of subject matter classified in this group.

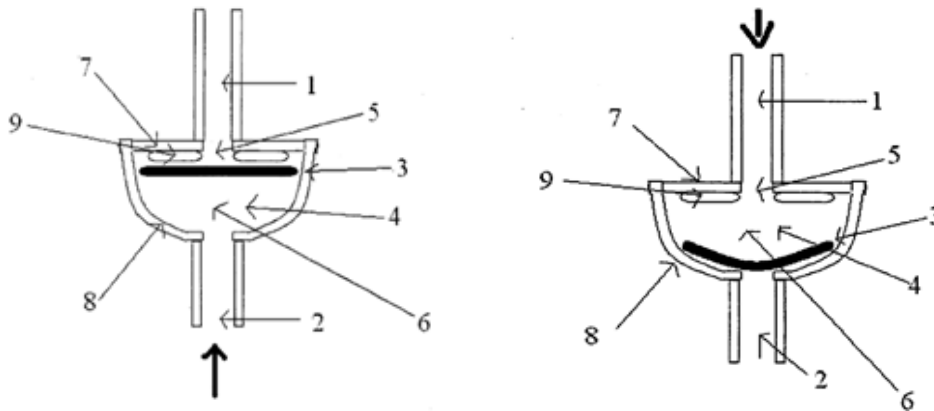


F16K 15/141

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



References

Application-oriented references:

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

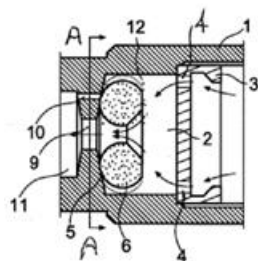
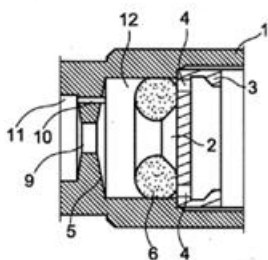
Flexible disc check valves not being fixed to the valve body specially adapted for medical use	A61M2039/2453
------------------------------------------------------------------------------------------------	---------------

F16K 15/142

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

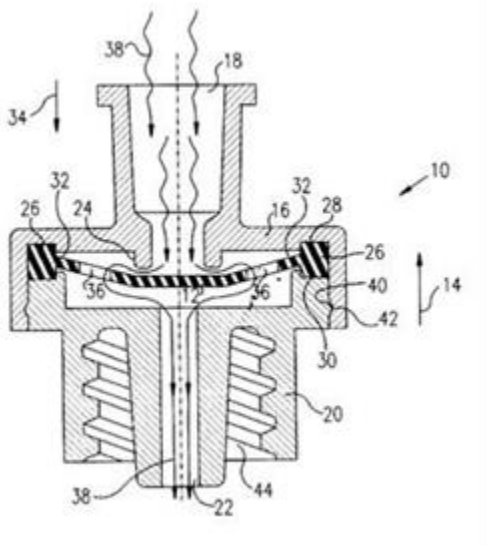


F16K 15/144

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



F16K 15/1441

Definition statement

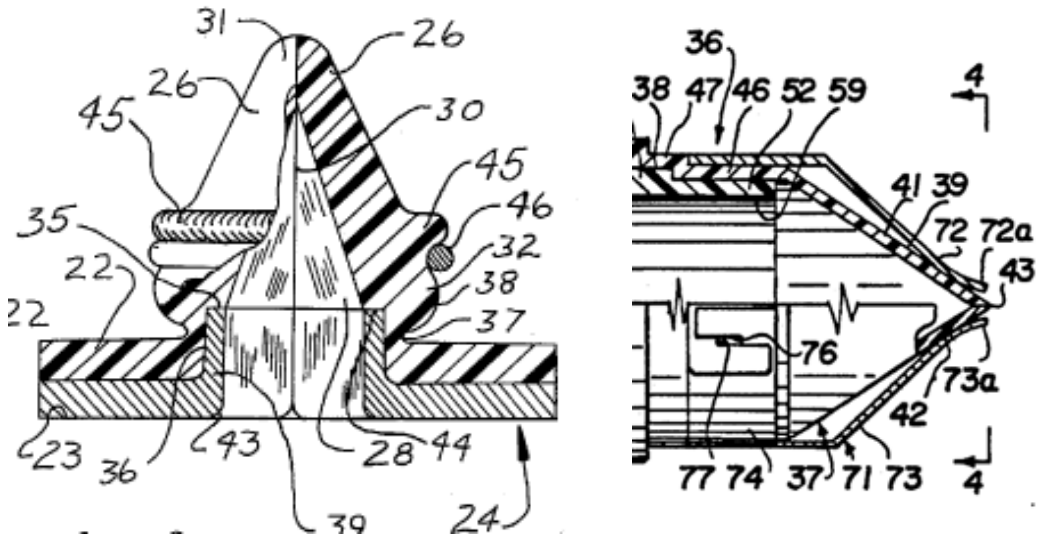
This place covers:

Valves with flexible members where there is a biasing means in addition to the resiliency of the flexible valve member.

Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441

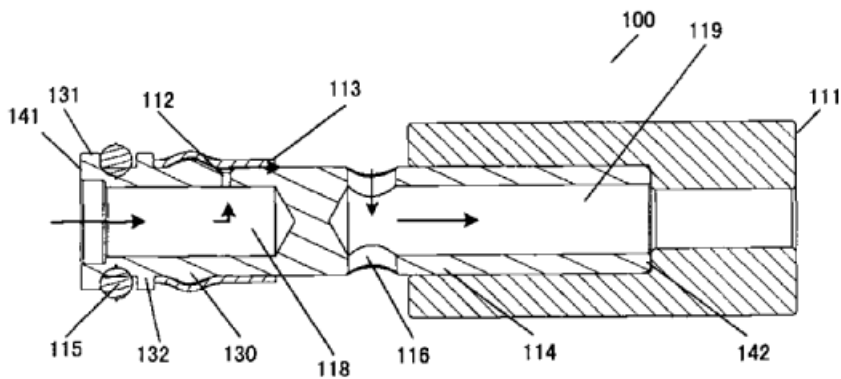


F16K 15/145

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

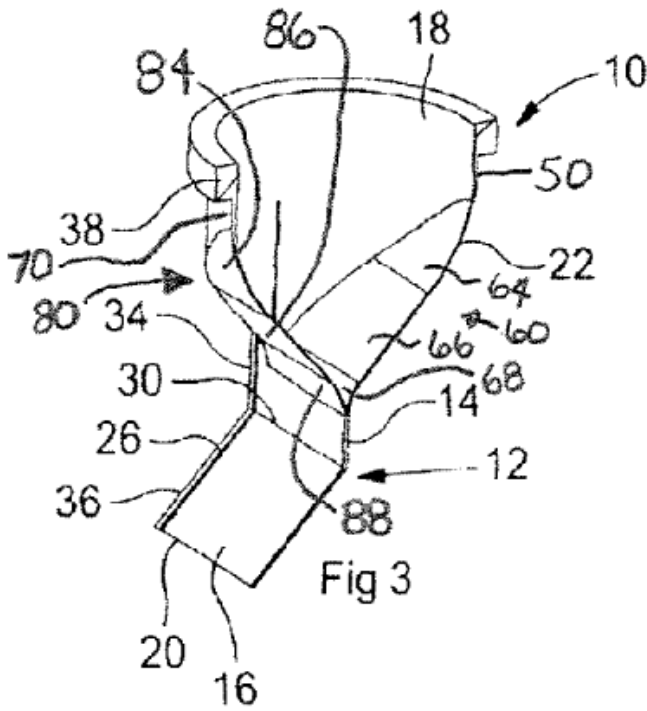


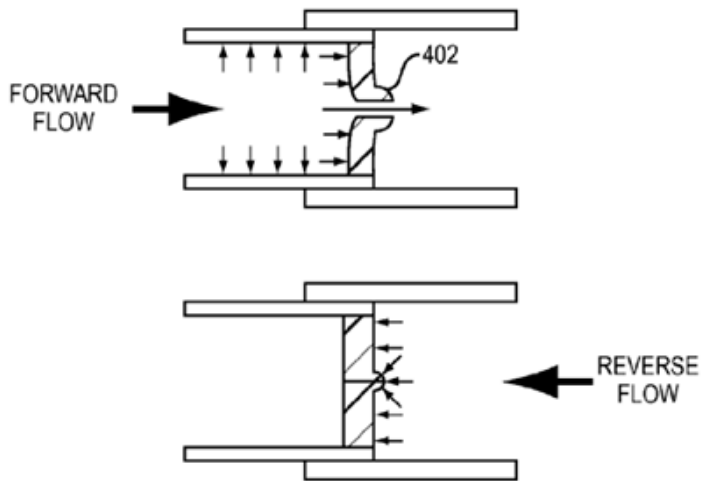
F16K 15/147

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.





References

Application-oriented references:

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

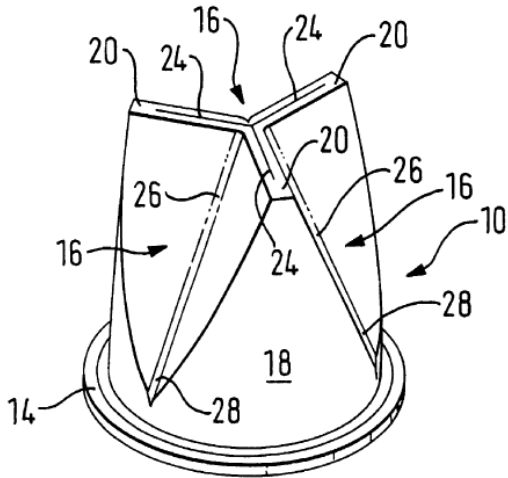
Slit valves in devices for introducing media into, or onto, the body	A61M2039/2426
Valves for dispensing bottles, e.g. ketchup squeeze bottle	B65D47/2031
Slit valves in containers for storage or transport	B65D51/165

F16K 15/1471

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



F16K 15/1472

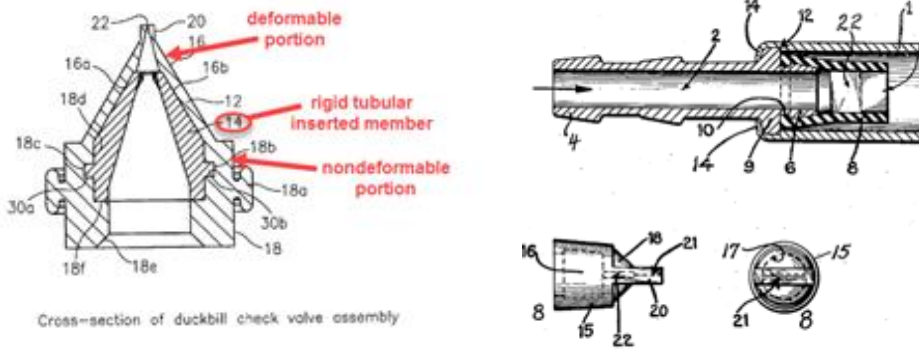
Definition statement

This place covers:

Illustrative examples of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



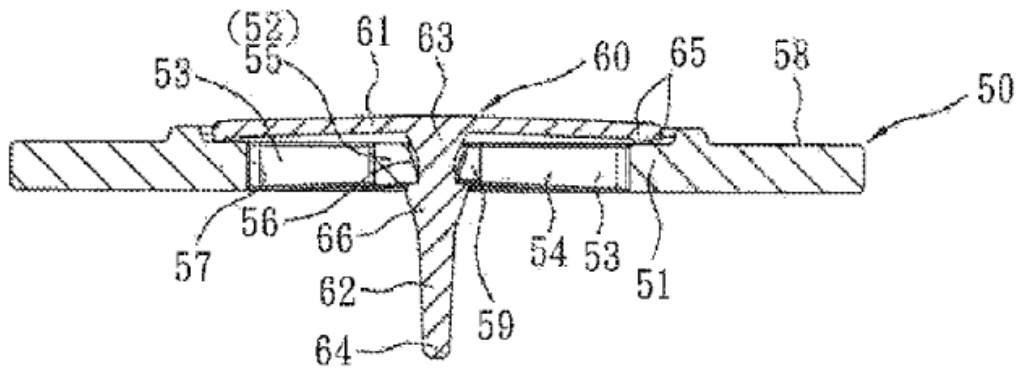
Cross-section of duckbill check valve assembly

F16K 15/148

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



F16K 15/1481

Definition statement

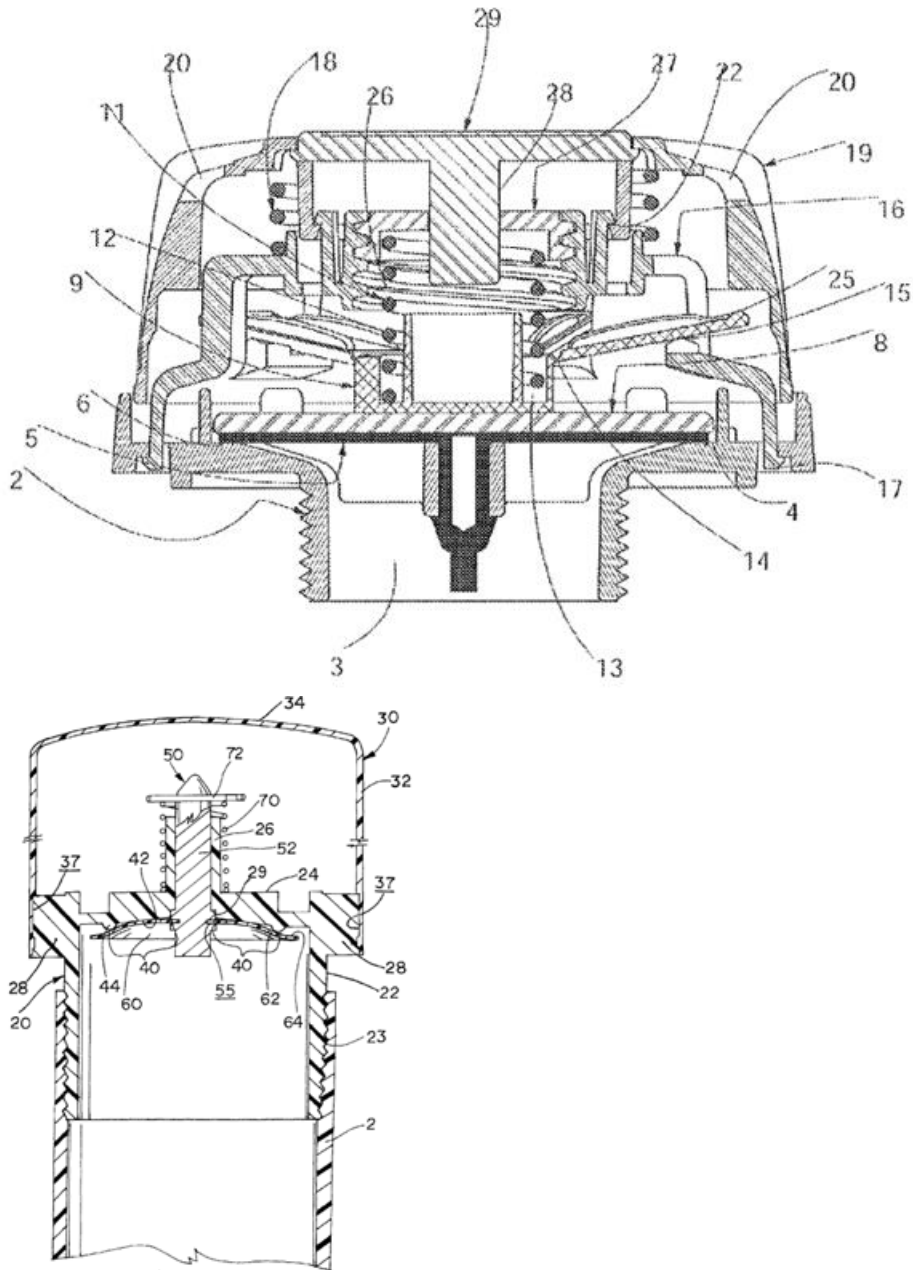
This place covers:

Illustrative example of subject matter classified in this group.

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

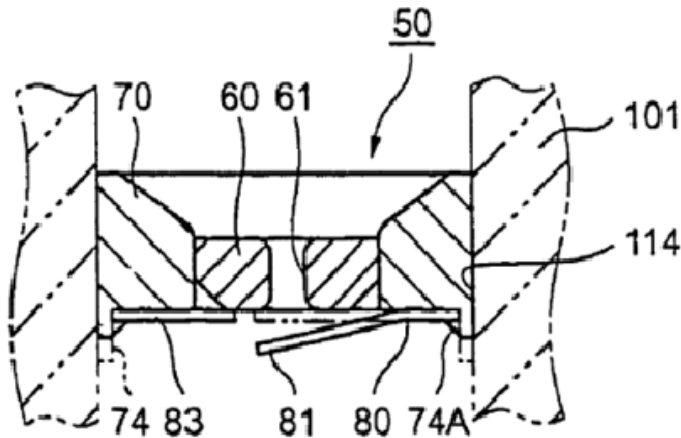


F16K 15/16

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



References

Application-oriented references:

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

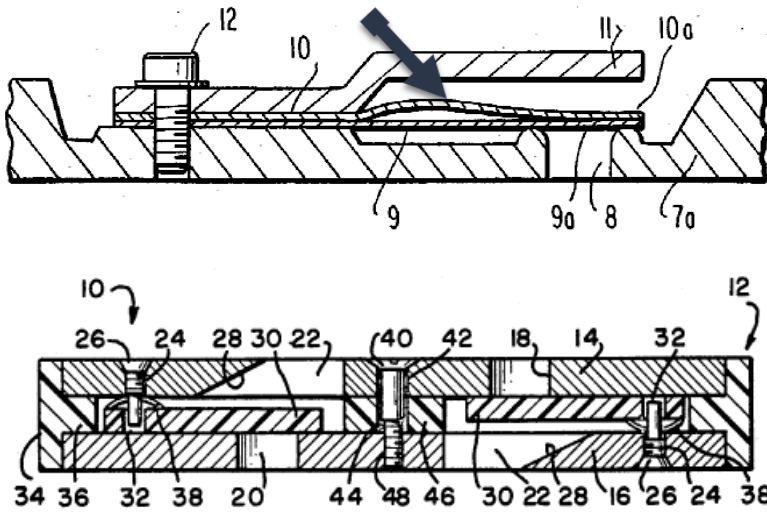
Valve comprising a resilient or deformable flap, specially adapted for medical use	A61M2039/244
Reed valves for positive displacement machines for liquids, pumps	F04B39/1073

F16K 15/161

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



F16K 15/162

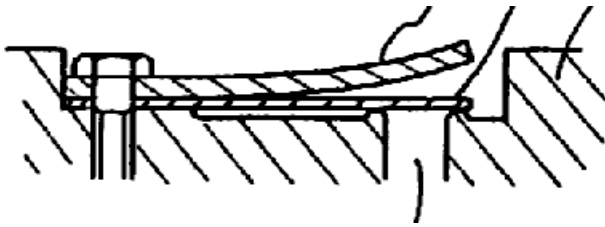
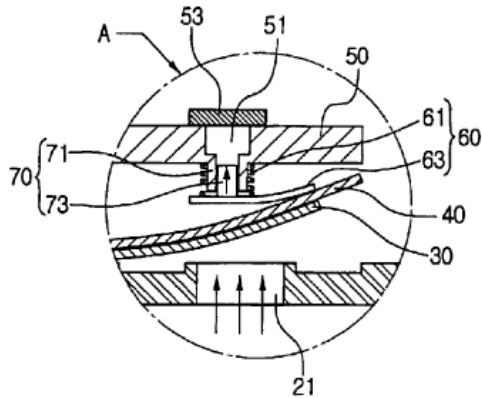
Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



F16K 15/18

Definition statement

This place covers:

This subgroup includes two different categories:

- check valves with an actuating mechanism [F16K 15/182](#) and subgroups
- combined check valves and actuated valves [F16K 15/184](#) and subgroups

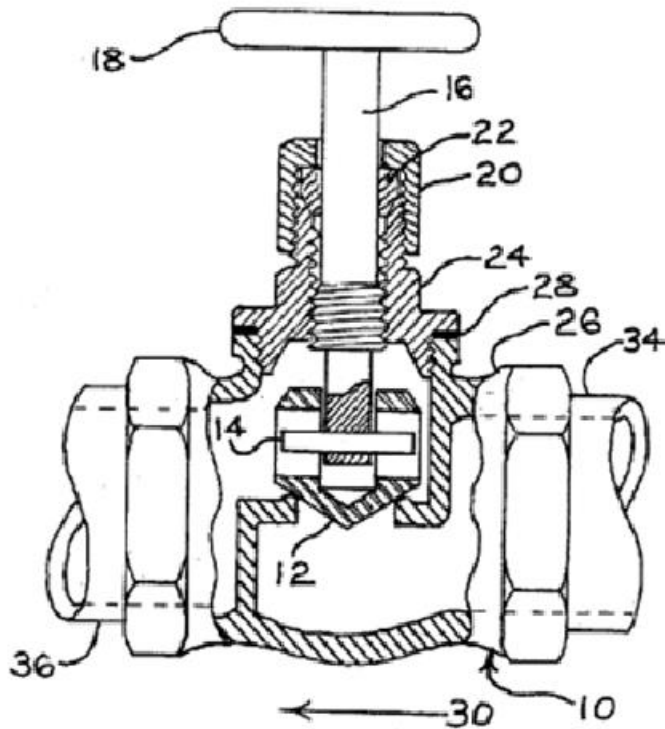
F16K 15/182

Definition statement

This place covers:

Check valves with an actuating mechanism that can alternatively move or hold the valve closure member open or closed.

Illustrative example of subject matter classified in this group.



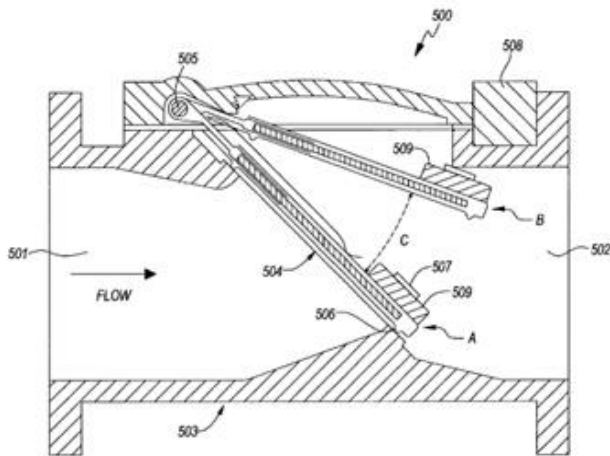
F16K 15/1821

Definition statement

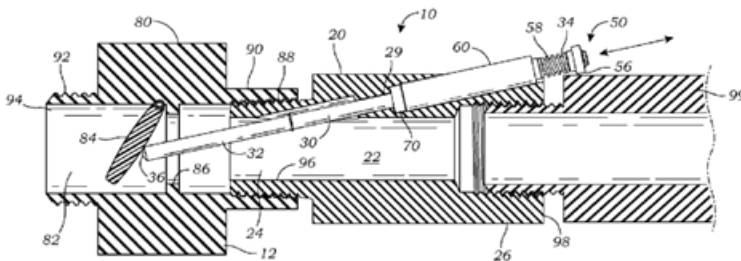
This place covers:

Check valves with a hinged or pivoted closure member and with an actuating mechanism that can alternatively move or hold the valve closure member open or closed.

Illustrative example of subject matter classified in this group.



Ref 508: magnet.



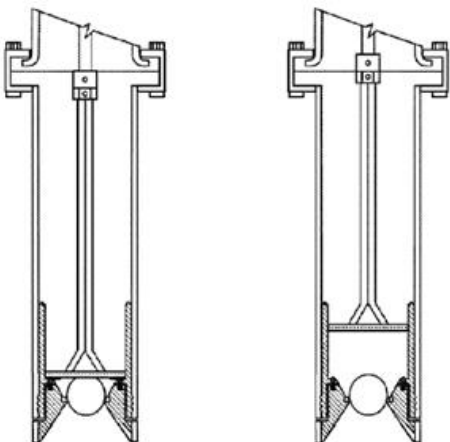
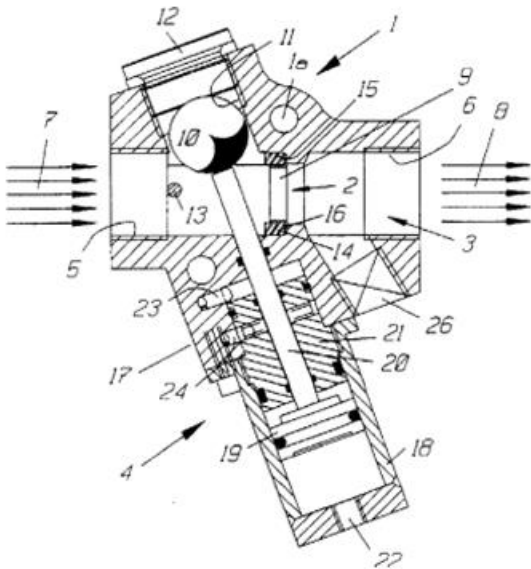
F16K 15/1823

Definition statement

This place covers:

Ball check valves with an actuating mechanism that can alternatively move or hold the valve closure member open or closed.

Illustrative example of subject matter classified in this group.



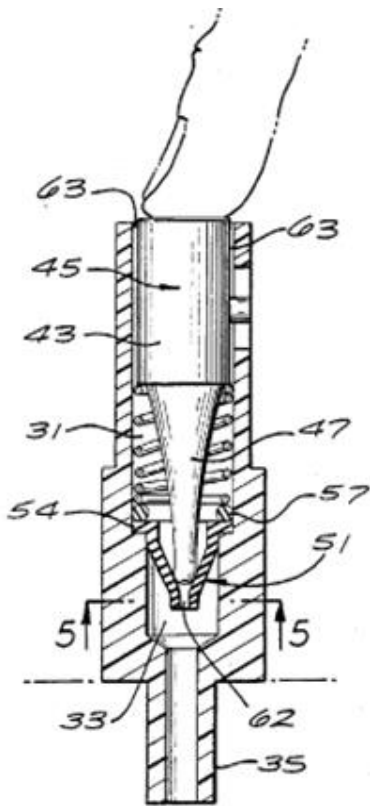
F16K 15/1825

Definition statement

This place covers:

Check valves with flexible valve members and with an actuating mechanism that can alternatively move or hold the valve closure member open or closed.

Illustrative example of subject matter classified in this group.



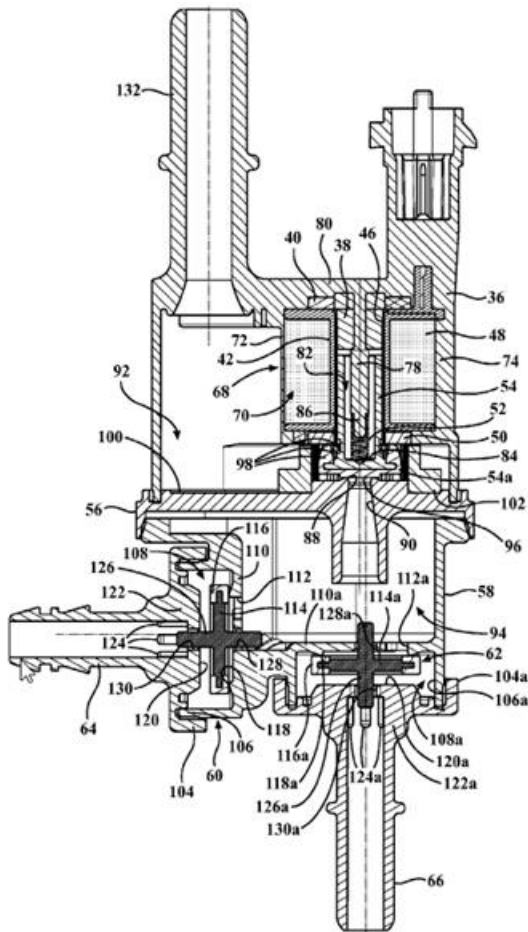
F16K 15/1826

Definition statement

This place covers:

Check valves which can be actuated by a pilot valve.

Illustrative example of subject matter classified in this group.



Ref 60, 62 check valves and 68 pilot valve

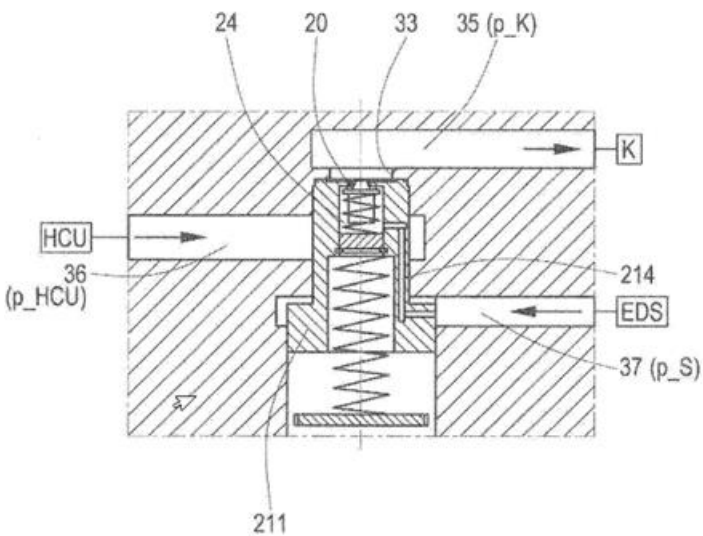
F16K 15/184

Definition statement

This place covers:

Valve arrangements including a check valve in combination with an actuated valve.

Illustrative example of subject matter classified in this group.



F16K 15/1841

Definition statement

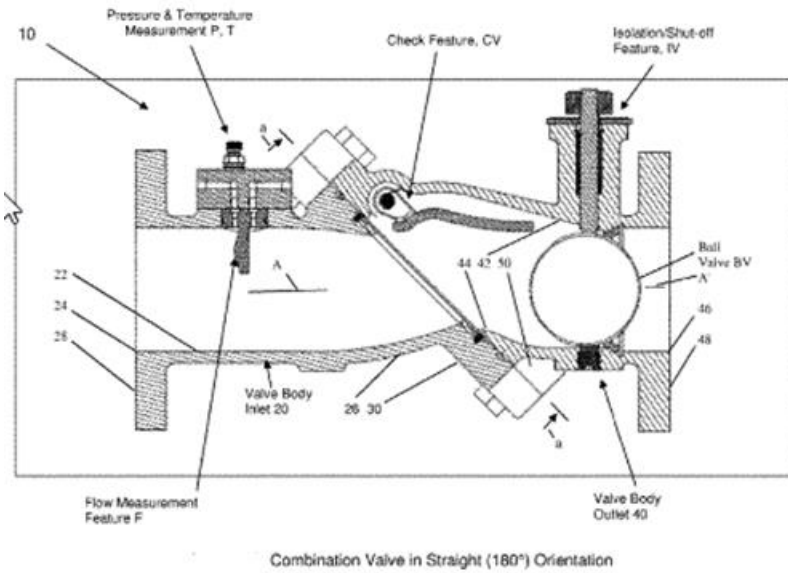
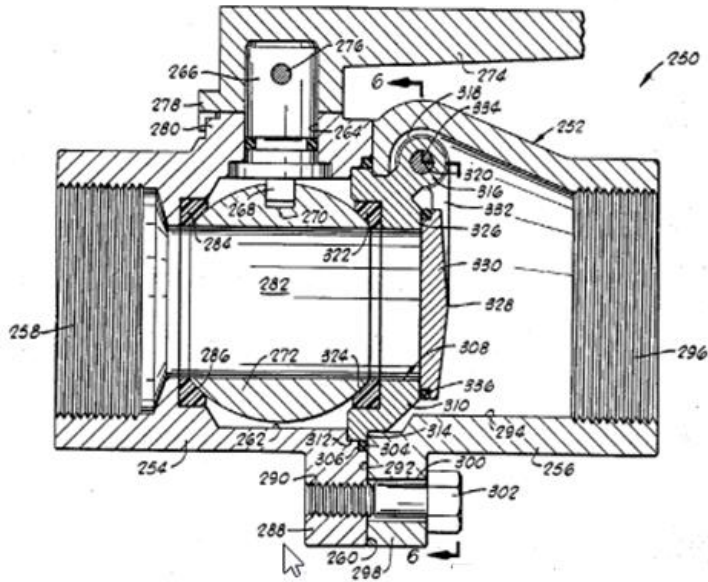
This place covers:

Valve arrangements including a check valve with a hinged or pivoted closure member in combination with an actuated valve.

Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



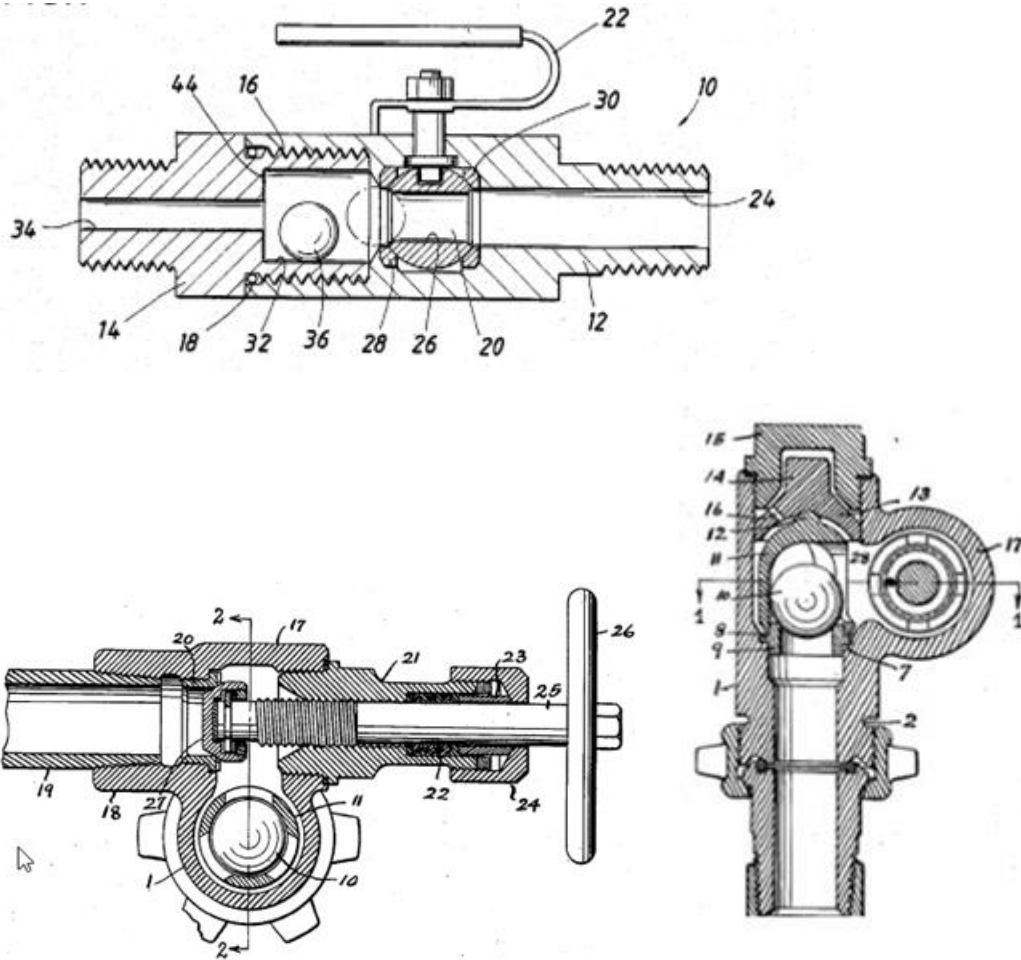
F16K 15/1843

Definition statement

This place covers:

Valve arrangements including a ball check valve in combination with an actuated valve.

Illustrative example of subject matter classified in this group.



F16K 15/1845

Definition statement

This place covers:

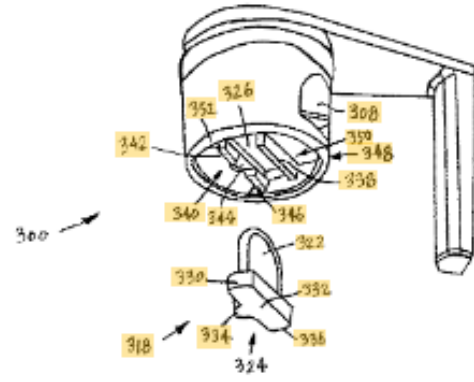
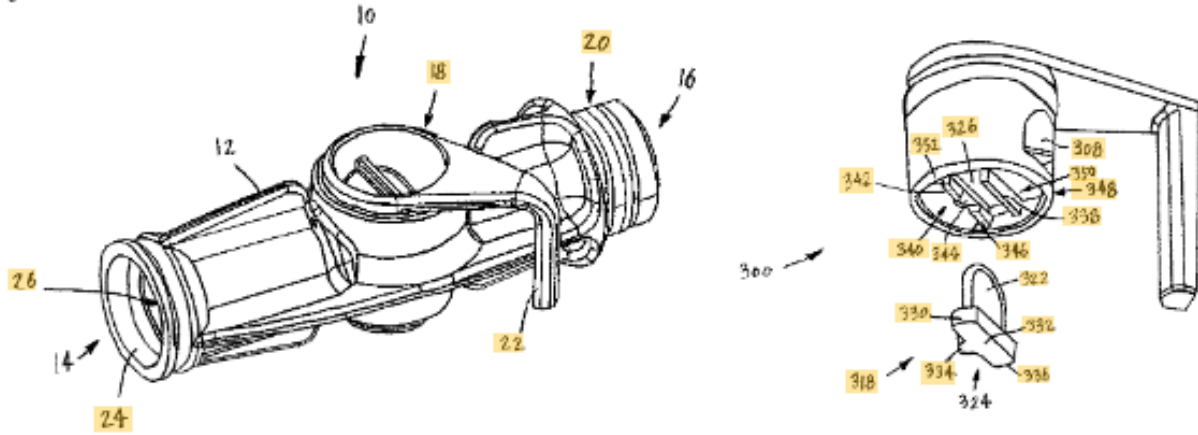
DATE: AUGUST 1, 2021

PROJECT RP0441

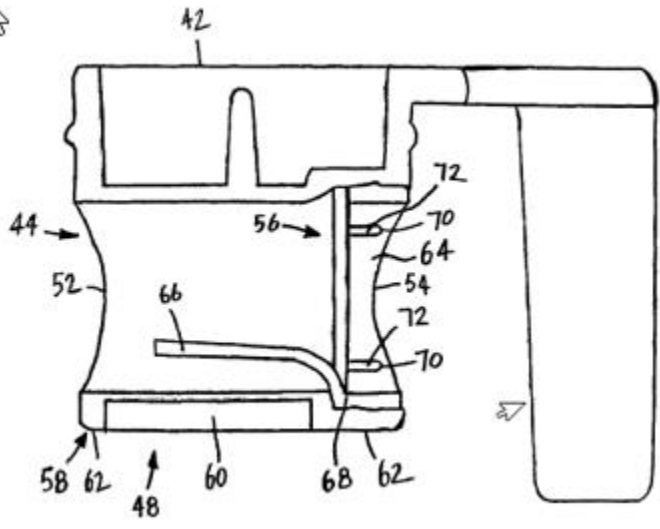
Valve arrangements including a check valve with flexible valve member in combination with an actuated valve.

Illustrative example of subject matter classified in this group.

↳



↙



Disposable dental valve device having a check valve
Ref. 18 main rotary plug valve member and 66 flex check valve

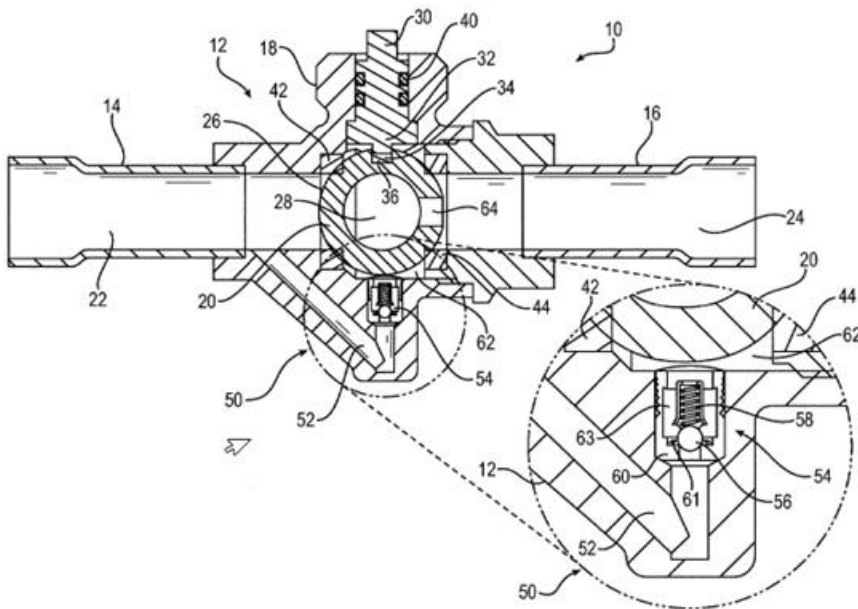
F16K 15/1848

Definition statement

This place covers:

Valve arrangements including a check valve in combination with actuated valves having a rotating tap or cock.

Illustrative example of subject matter classified in this group.



F16K 15/20

Definition statement

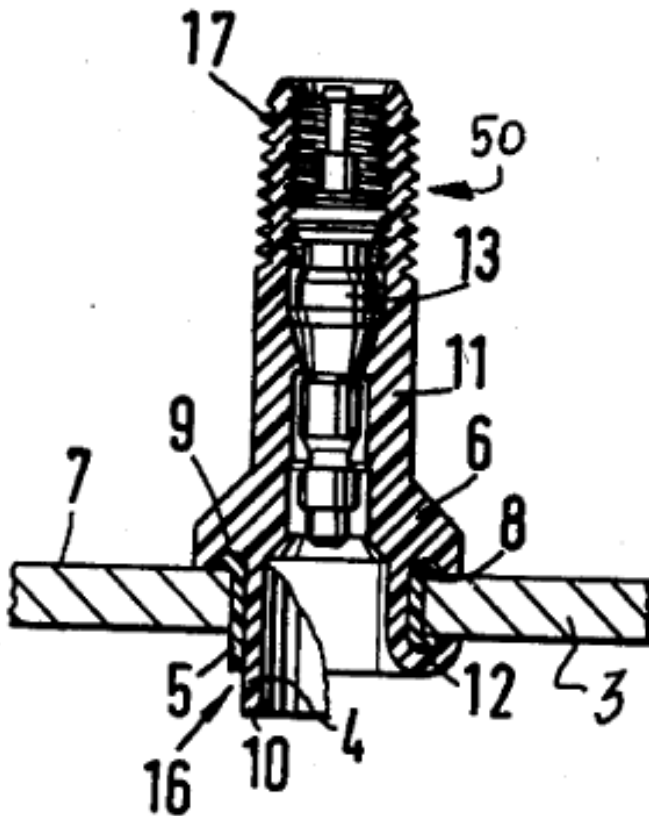
This place covers:

DATE: AUGUST 1, 2021

PROJECT RP0441

Apparatus comprising valved inflation stems of the type attached to pneumatic tires and analogous inflatable articles, including filling and/or relief extensions of such stems, valved filling chucks or the type attached to pressure fluid supplying conduits and employed to inflate such articles by means of the inflation stems, and combinations of such inflation stems and filling chucks.

Illustrative example of subject matter classified in this group.



Valve construction for tubeless tire

References

Application-oriented references:

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

DATE: AUGUST 1, 2021

PROJECT RP0441

Inflatable mattresses	A47C27/081
Hollow inflatable balls	A63B41/00
Valves for balloons	A63H2027/1083
Inflatable kites	A63H27/085
Arrangements of tyre-inflating valves relative to tyres or wheel rims; connection of valves to wheel rims, tyres or other inflatable elastic bodies	B60C29/00
Dunnage (inflatable bags for packaging, load protection) for trailers	B60P7/065
Dunnage for trains	B61D45/008
Inflatable boats	B63B7/08
Dunnage in general	B65D81/052

Special rules of classification

Reference “connecting valves to inflatable bodies [B60C 29/00](#)” is non-limiting in the subgroup [F16K 15/20](#). CPC will be corrected once this inconsistency is resolved in IPC.

F16K 15/202

Definition statement

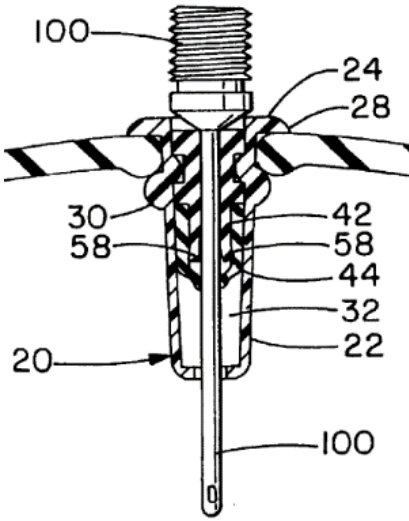
This place covers:

Flexible element controls flow into or out of inflatable article.

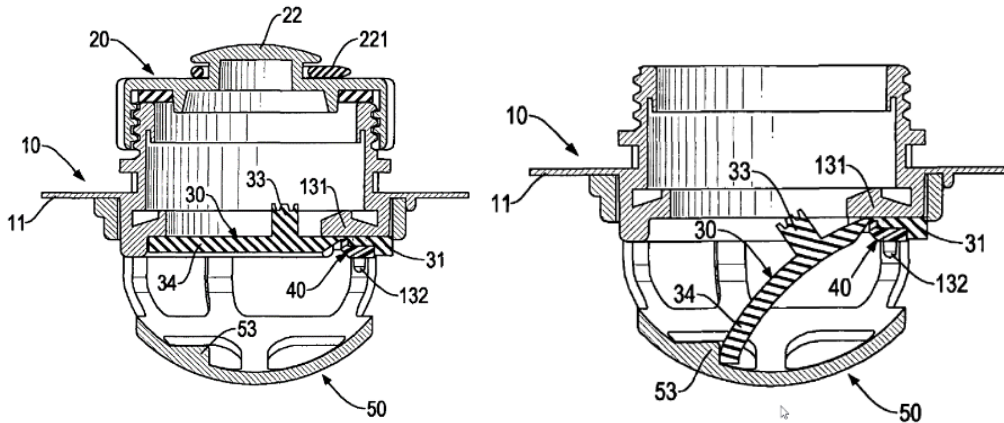
Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



Ball with inflation valve sleeve for rapid deflation



Releasing valve for an inflatable object

F16K 15/205

Definition statement

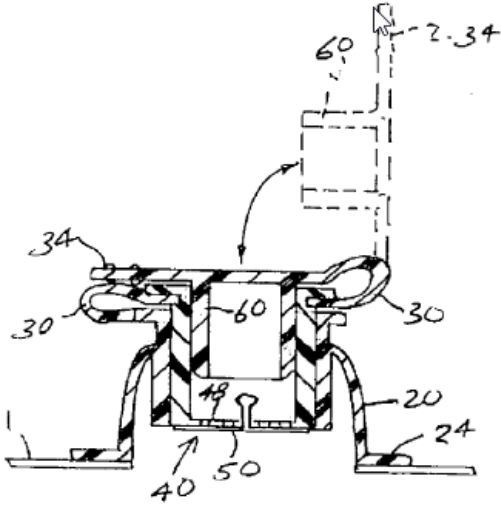
This place covers:

Devices including a feature other than the valve member that obstructs a valve inlet or outlet.

DATE: AUGUST 1, 2021

PROJECT RP0441

Illustrative example of subject matter classified in this group.



Air Valve

F16K 15/207

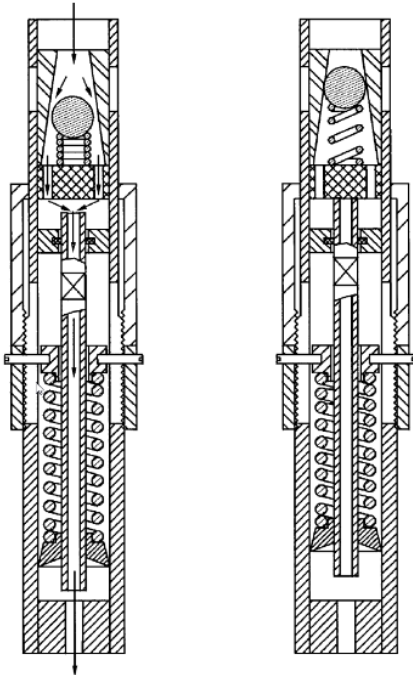
Definition statement

This place covers:

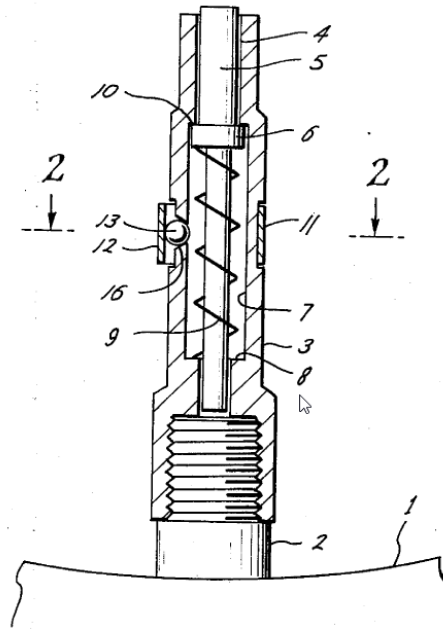
Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



Pressure regulator and method of use



Air regulator for tires

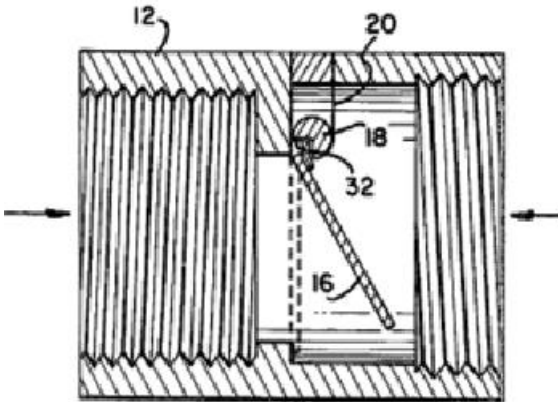
F16K 27/0232

Definition statement

This place covers:

Devices in which the valve housing is provided with a removable closure element which retains the valve member in assembled relation with its seat.

Illustrative example of subject matter classified in this group.



F16K 47/01

Definition statement

This place covers:

Feature that slows, cushions movement or reduces oscillation of a valve member.

References

Informative references:

Attention is drawn to the following places, which may be of interest for search:

Dampers, per se	F16F
-----------------	------

Special rules of classification

Devices for preventing water hammer or noise should also be classified in [F16K 47/02](#) – [F16K 47/026](#).

Electromagnetically actuated valves should also be classified in [F16K 31/0696](#), as applicable.

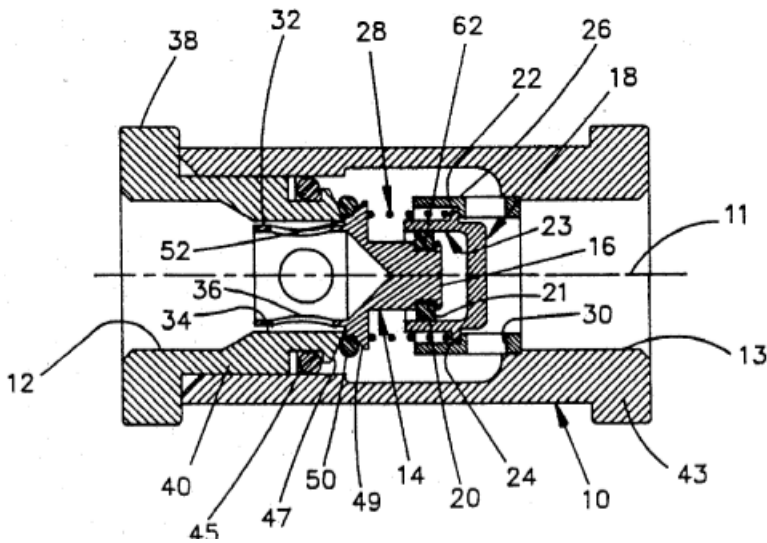
F16K 47/011

Definition statement

This place covers:

Valves provided with a dashpot to prevent or reduce chattering or hunting of the valve member or to dampen the opening and/or closing of the valve member.

Illustrative example of subject matter classified in this group.



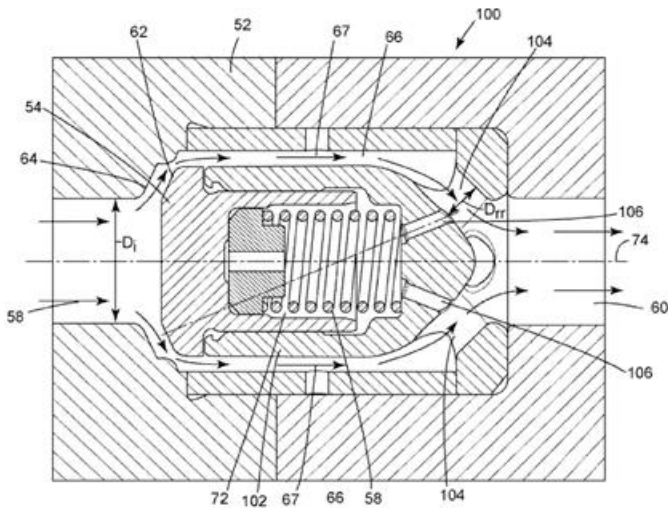
F16K 47/0111

Definition statement

This place covers:

A movable plunger (comprising the valve member) slides within a fixed dashpot.

Illustrative example of subject matter classified in this group.



F16K 47/0112

Definition statement

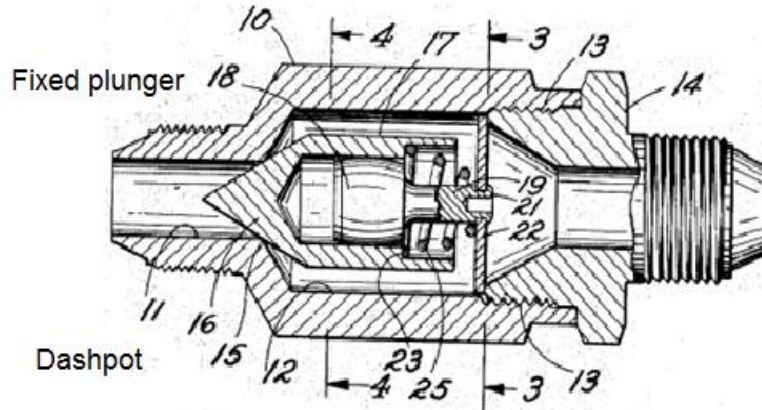
This place covers:

A movable dashpot (comprising the valve member) slides over a fixed plunger.

Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



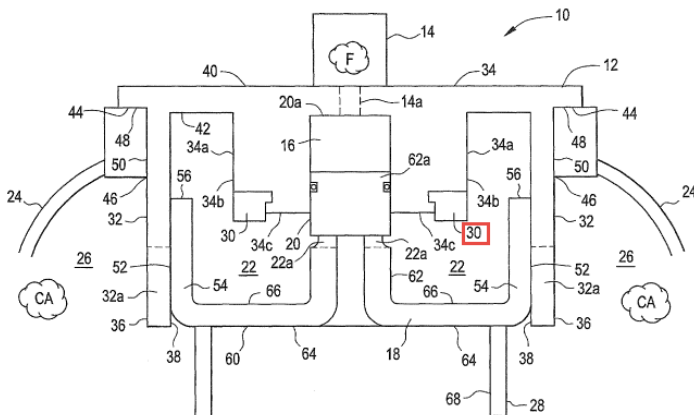
F16K 47/012

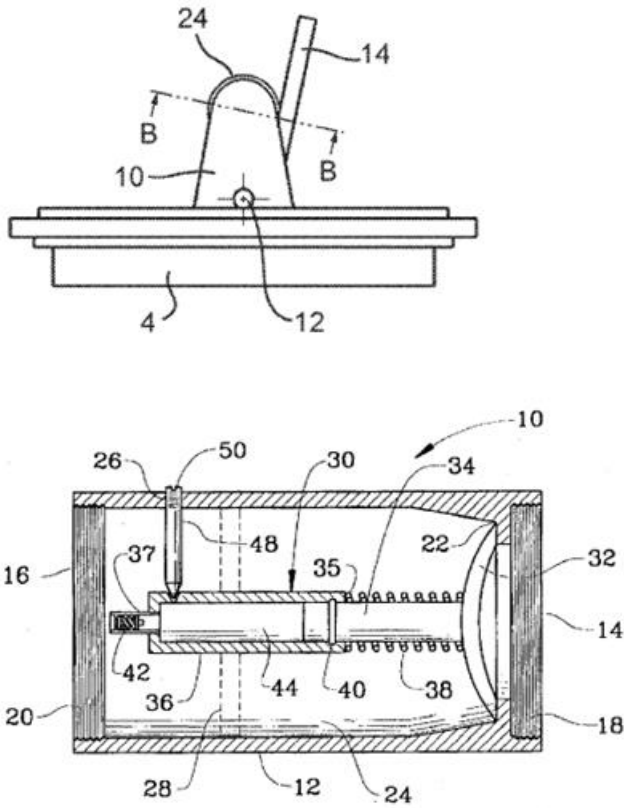
Definition statement

This place covers:

Valves provided with a resilient damping means to prevent or reduce chattering or hunting of the valve or to dampen the opening and/or closing of the valve member.

Illustrative examples of subject matter classified in this group.





F16K 47/02

Definition statement

This place covers:

Valves with arrangements for the specific purpose of reducing water-hammer or noise.

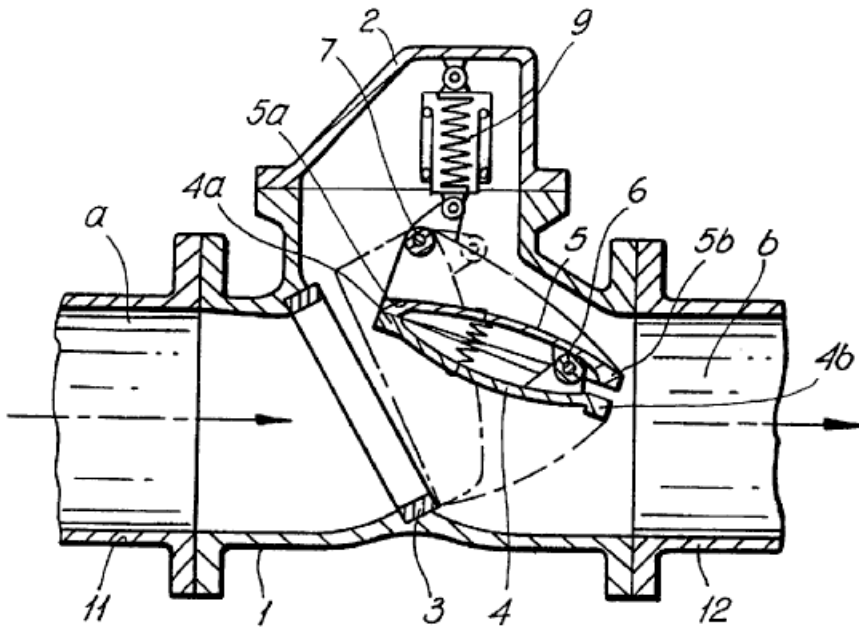
F16K 47/023

Definition statement

This place covers:

Damping for the specific purpose of reducing water-hammer.

Illustrative example of subject matter classified in this group.



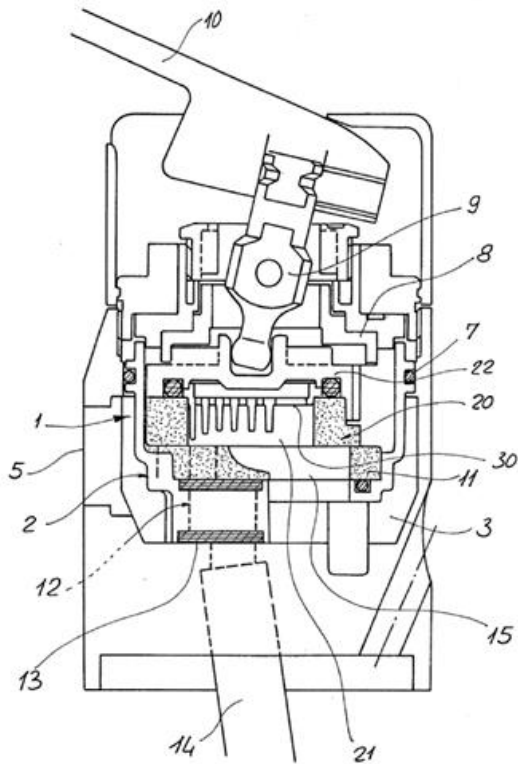
F16K 47/026

Definition statement

This place covers:

Arrangements for preventing noise in single handle mixing valves.

Illustrative example of subject matter classified in this group.



F16K 2200/10

Special rules of classification

In the case where both the closure member and seat are self-aligning, classification should be given in both [F16K 2200/101](#) and [F16K 2200/102](#).

F16K 2200/101

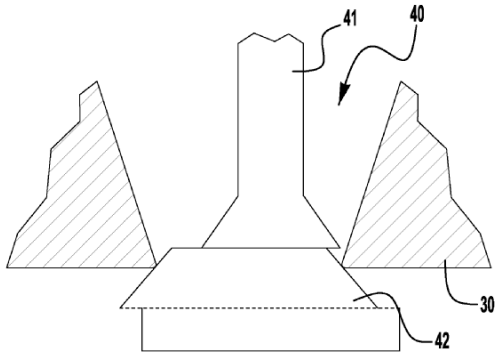
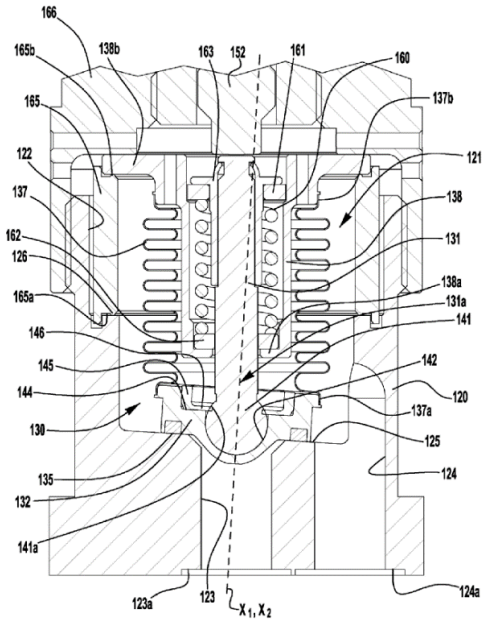
Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441

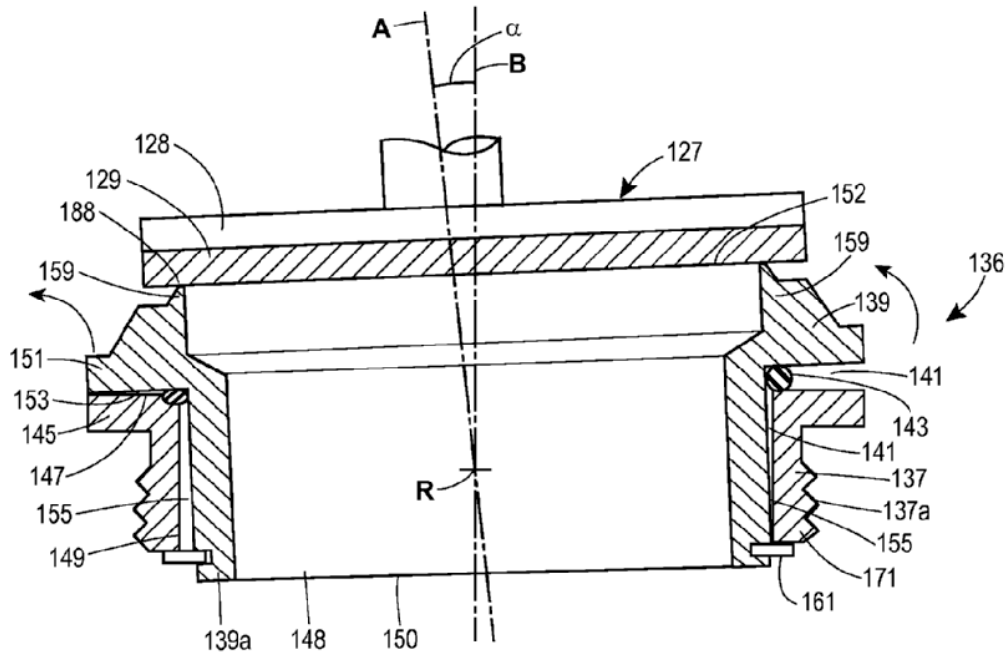


F16K 2200/102

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



F16K 2200/20

Definition statement

This place covers:

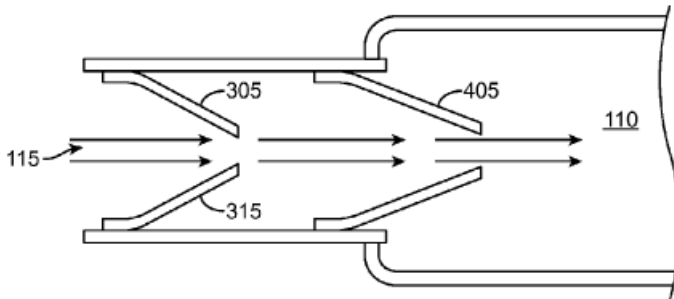
Devices classified in this group have a single inlet and a single outlet.

Multi-port and multi-way valves are not classified in this group.

Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



References

Informative references:

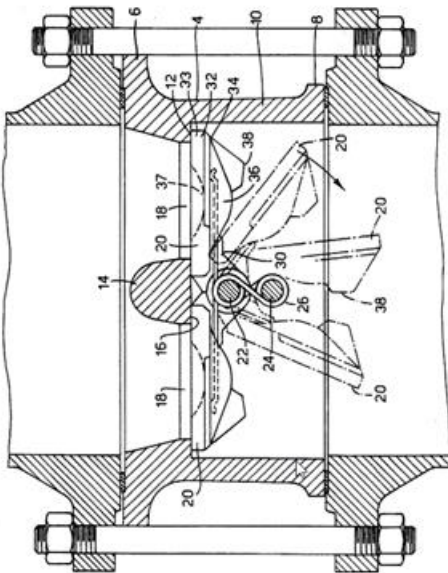
Attention is drawn to the following places, which may be of interest for search:

Plurality of pivoted valve members	F16K1/165, F16K1/2021, F16K1/223
Double-seat lift valves	F16K1/44
Second valve for limiting the maximum flow rate of a lift valve	F16K1/526
Sliding valves having two or more gates	F16K3/029
Check valves having a plurality of hinged valve members	F16K15/035
Check valves having a plurality of balls	F16K15/042
Check valves having a plurality of stem guided valve members	F16K15/066
Check valves having a plurality of flexible valve members	F16K15/1401
Combined check valves and actuated valves	F16K15/184
Auxiliary valve for relieving pressure on sealing faces of lift valves	F16K39/024, F16K39/026
Auxiliary closure means in valves	F16K43/00

Special rules of classification

Multi-way valves do not belong in this subgroup and should be classified in [F16K 11/10](#).

Also, dual flap pivot valves as shown below should not be classified here, but in [F16K 15/036](#) - [F16K 15/038](#).



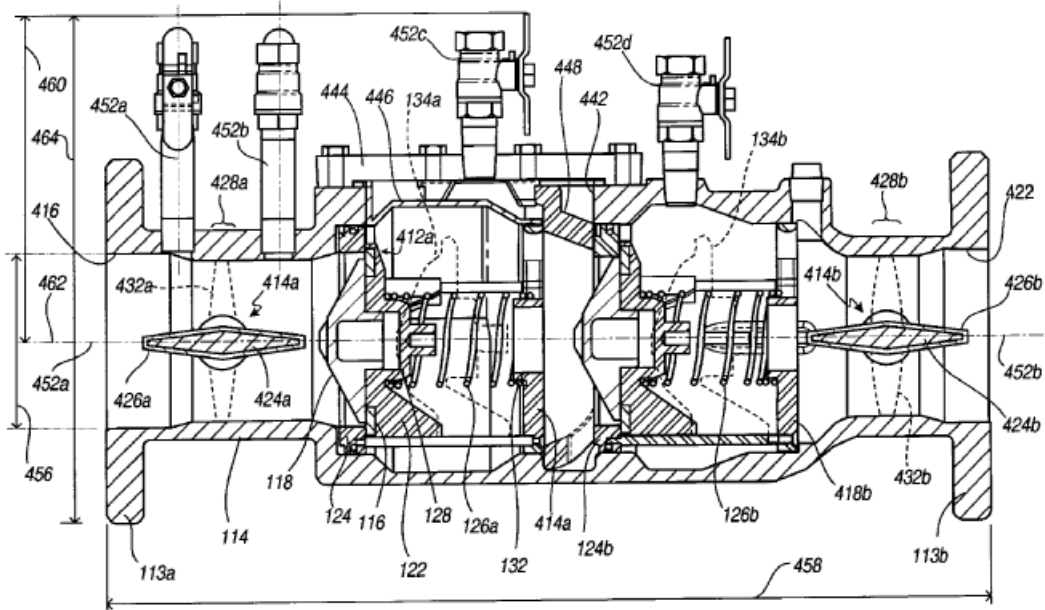
F16K 2200/201

Definition statement

This place covers:

Devices in which the valves are of different types, e.g. disc valves and ball valves, or are of different size so that they operate at different pressures.

Illustrative example of subject matter classified in this group.



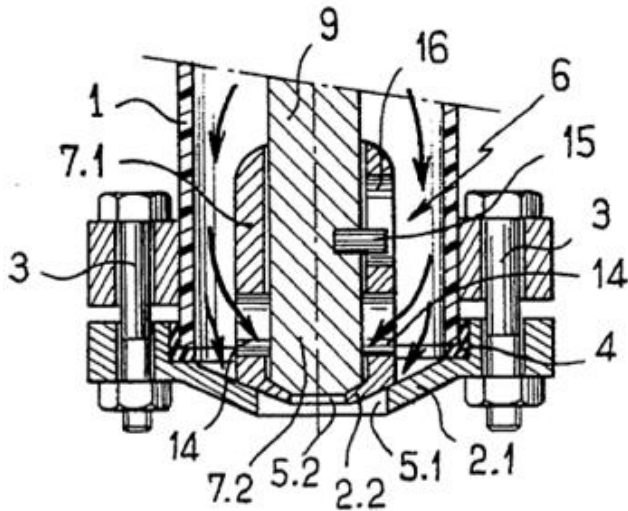
F16K 2200/202

Definition statement

This place covers:

Devices in which one of the valves carries the seat for at least one other valve, and also serves as the support for the other valve.

Illustrative example of subject matter classified in this group.



References

Informative references:

Attention is drawn to the following places, which may be of interest for search:

Auxiliary valve on main lift valve for relieving pressure on sealing faces	F16K39/024
----------------------------------------------------------------------------	------------

F16K 2200/203

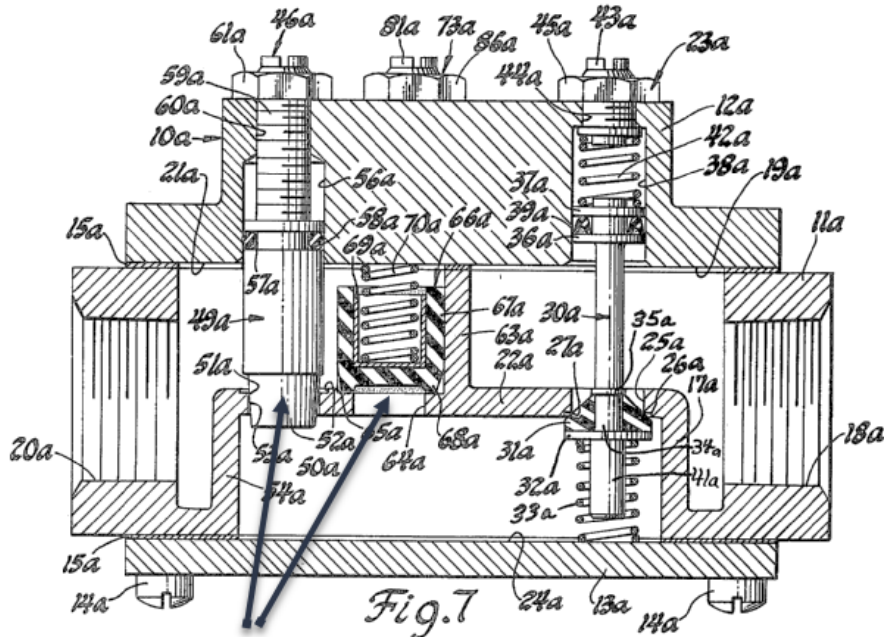
Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



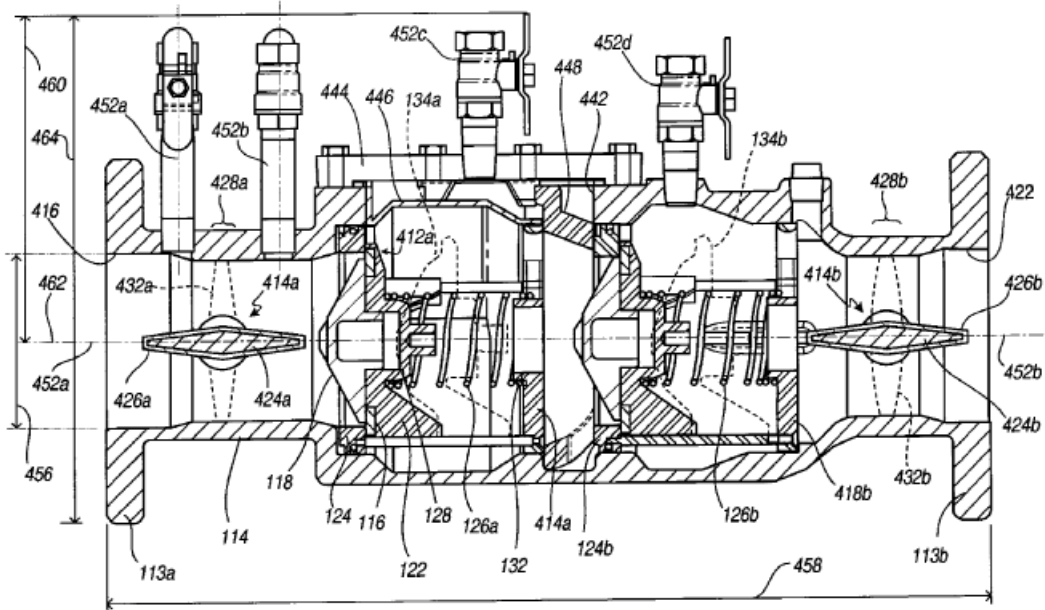
**These two valve members
are in parallel**

F16K 2200/204

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.



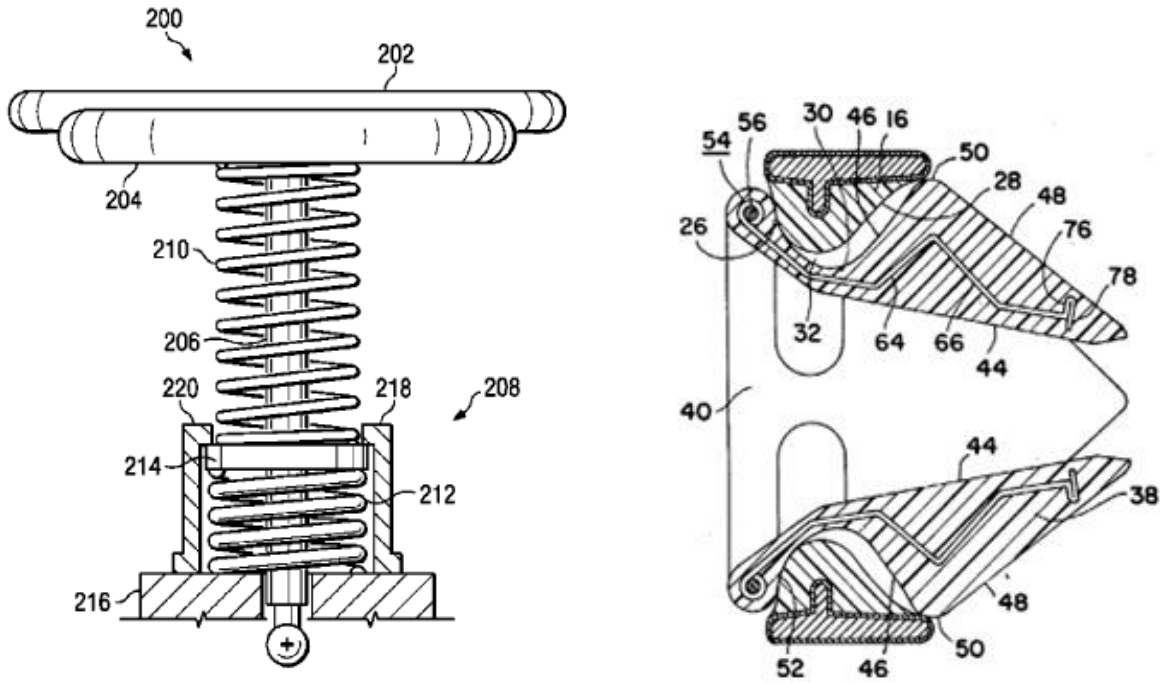
F16K 2200/30

Definition statement

This place covers:

The spring may be any type of resilient element.

Illustrative example of subject matter classified in this group.



References

Informative references:

Attention is drawn to the following places, which may be of interest for search:

Springs in general	F16F
--------------------	------

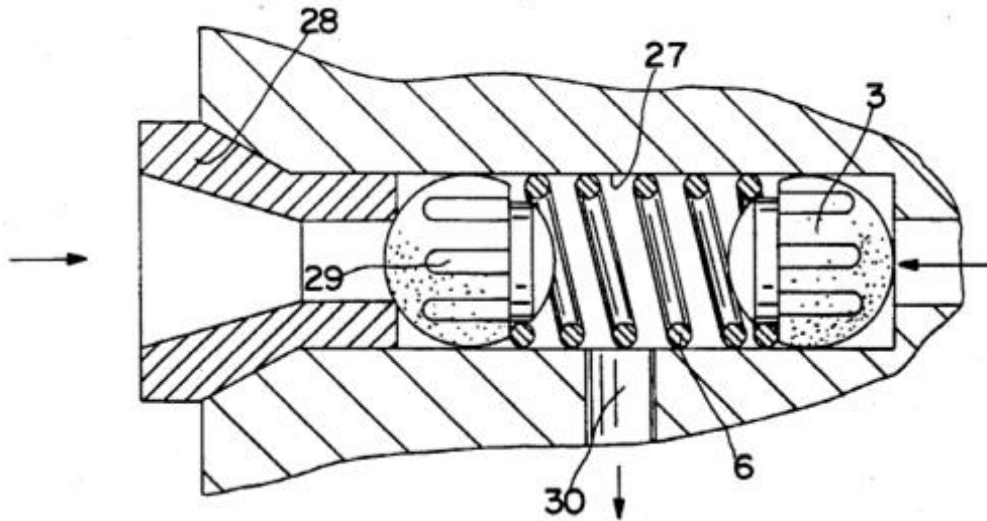
F16K 2200/301

Definition statement

This place covers:

A single spring biasing a plurality of closure members.

Illustrative example of subject matter classified in this group.



F16K 2200/302

Definition statement

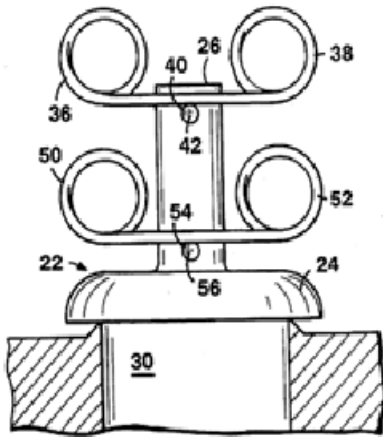
This place covers:

Valves in which the plural springs bias the single valve member open or closed.

Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



References

Informative references:

Attention is drawn to the following places, which may be of interest for search:

Pressure relief valves with more than one spring

F16K17/044

F16K 2200/303

Definition statement

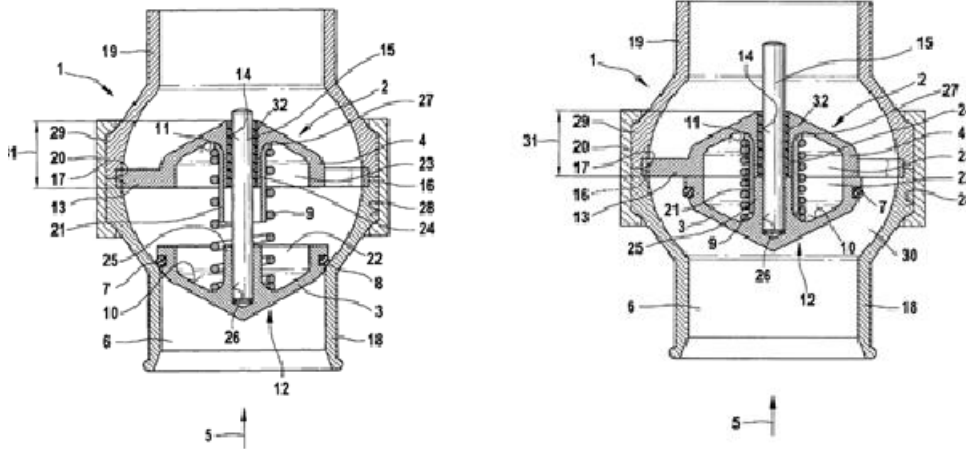
This place covers:

The spring must be in the flow path of the fluid, and the means for protecting the spring must prevent or reduce the impingement of the fluid on the spring.

Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



F16K 2200/304

Definition statement

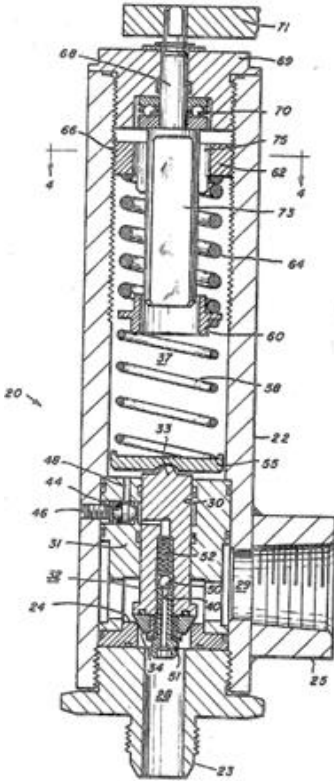
This place covers:

Valves provided with means adjusting the preload of the biasing means, usually in terms of the pressure at which the valve will open. In devices classified in this group, only the preload is adjustable. The spring rate of the spring is not modified.

Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



References

Informative references:

Attention is drawn to the following places, which may be of interest for search:

Pressure relief valve with arrangement for adjusting the opening pressure	F16K17/06
---------------------------------------------------------------------------	-----------

F16K 2200/305

Definition statement

DATE: AUGUST 1, 2021

PROJECT RP0441

This place covers:

Valves with spring arrangements of non-conventional type.

References

Informative references:

Attention is drawn to the following places, which may be of interest for search:

Ball check valve with a spring other than a helicoidal spring	F16K15/046
Stem guided check valve with a spring other than a helicoidal spring	F16K15/064
Pressure relief valve with a spring other than a helicoidal spring	F16K17/0493

F16K 2200/3051

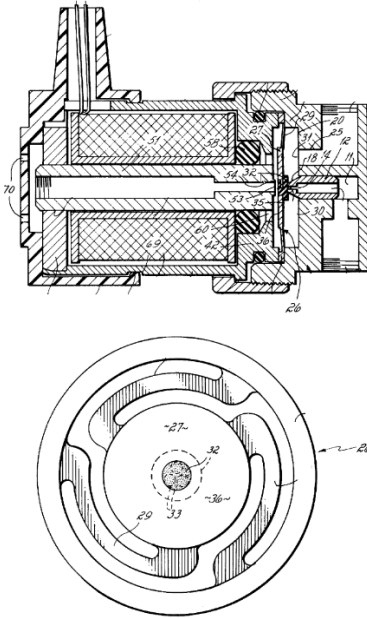
Definition statement

This place covers:

Springs that are generally planar in the uncompressed state.

DATE: AUGUST 1, 2021

PROJECT RP0441



Magnetically operated valve with spider armature

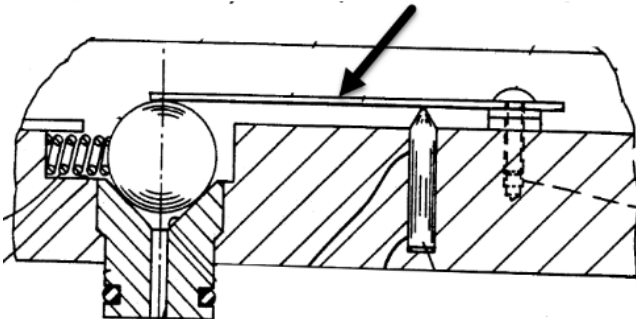
F16K 2200/3052

Definition statement

This place covers:

At least a portion of the spring projects along a plane extending from one or more attachment points.

Illustrative example of subject matter classified in this group.



Actuating mechanism for a rolling ball valve

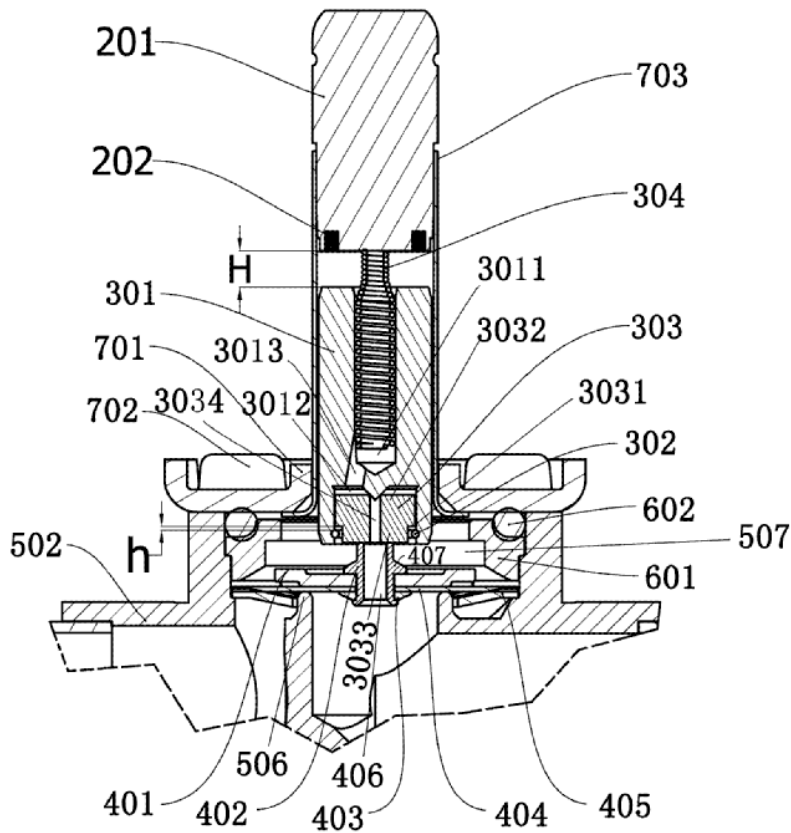
F16K 2200/3053

Definition statement

This place covers:

Spring includes a pitch, diameter or spring rate value that is not constant.

Illustrative example of subject matter classified in this group.



F16K 2200/40

DATE: AUGUST 1, 2021

PROJECT RP0441

Definition statement

This place covers:

Valves provided with at least one passage for allowing a limited amount of fluid to flow through the valve when the valve is in the closed position, including details of leak passages.

Special rules of classification

For purposes of classification, bypass lines for pilot pressure actuated valves should not be classified in this subgroup but in [F16K 31/36](#) or [F16K 31/42](#) and respective subgroups.

For purposes of classification, fluid-delivery valves providing a continuous small flow should not be classified in this subgroup but in [F16K 21/02](#) only.

For purposes of classification, valves provided with a bypass for relieving the pressure on the sealing faces should not be classified in this subgroup but in [F16K 39/00](#) and respective subgroups.

F16K 2200/401

Definition statement

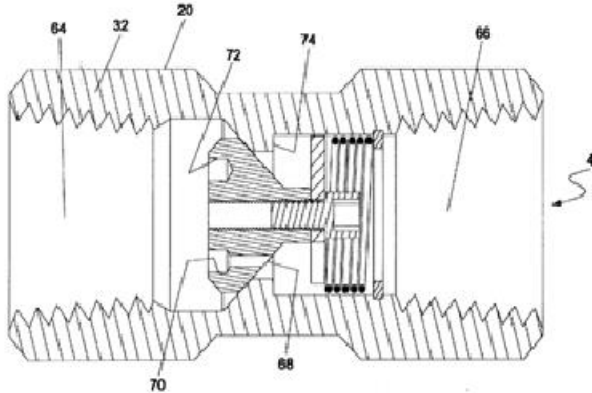
This place covers:

Valves provided with at least one passage arranged on the closure member for allowing a limited amount of fluid to flow through the valve when the valve is in the closed position.

Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



Bleeding passage 68 provided on closure member

F16K 2200/402

Definition statement

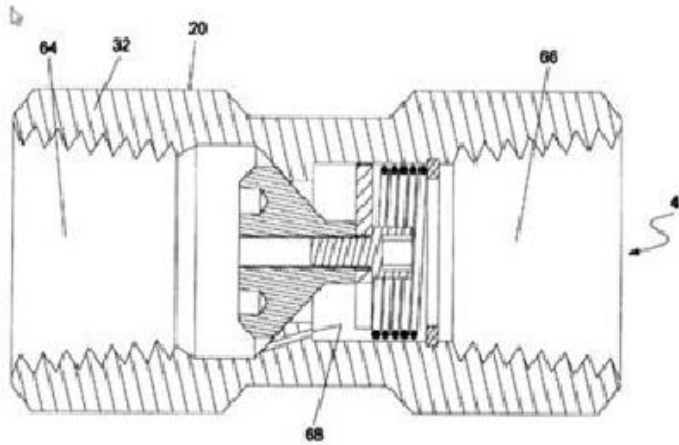
This place covers:

Valves provided with at least one passage arranged on the valve housing or seat for allowing a limited amount of fluid to flow through the valve when the valve is in the closed position.

Illustrative example of subject matter classified in this group.

DATE: AUGUST 1, 2021

PROJECT RP0441



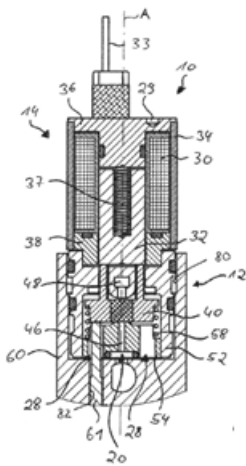
Bleeding passage 68 provided on seat/housing 20.

F16K 2200/50

Definition statement

This place covers:

Valve assemblies with most or all of its components housed in a separate housing that are then inserted into the valve housing.



Cartridge valve 10 is inserted into housing 12

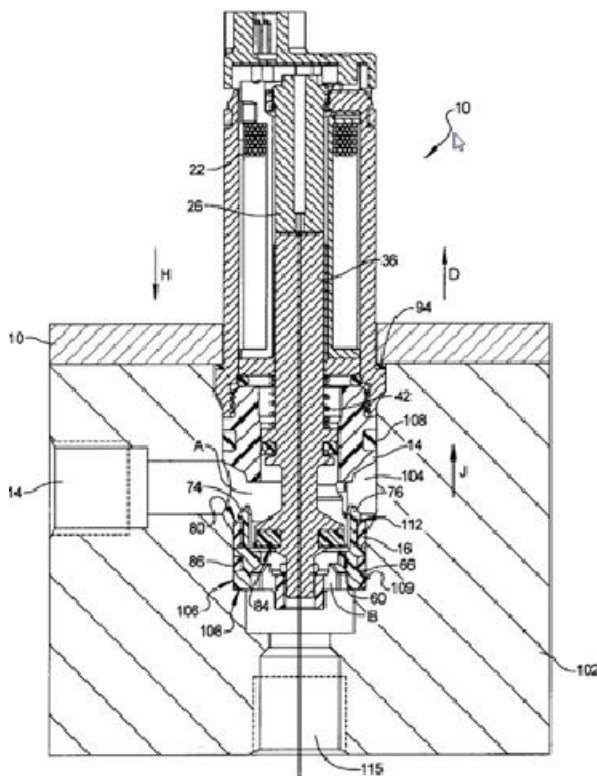
F16K 2200/501

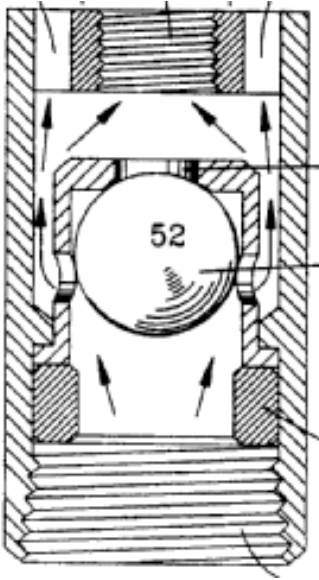
Definition statement

This place covers:

A valve assembly contained within a housing, which is usually replaceable and designed to permit ready insertion or removal into another housing or manifold.

Illustrative example of subject matter classified in this group.





Special rules of classification

For purposes of classification, cages or trim with a throttle for decreasing pressure or noise should not be classified in this subgroup but in [F16K 47/00](#).

DATE: AUGUST 1, 2021

PROJECT RP0441

2. A. DEFINITIONS (modified)**F16K1/00****References*****Limiting references***Insert: The following new rows to the Limiting references table:

In combination with sliding valves	F16K3/246, F16K3/267
Diaphragm valves	F16K7/00

Delete: The following row from the Limiting references table.

Functional types of lift valves	F16K15/00, F16K17/00, F16K24/00, F16K31/00, F16K31/06
---------------------------------	-------------------------------------------------------------------

Informative referencesReplace: Existing Informative references table with the modified one below:

Functional types of lift valves	F16K15/00, F16K17/00, F16K24/00, F16K31/00, F16K31/06
---------------------------------	-------------------------------------------------------------------

DATE: AUGUST 1, 2021

PROJECT RP0441

F16K15/00

Definition statement

Insert: New Definition statement.

Valves that normally allow fluid (liquid or gas) to flow through it in only one direction. (also known as non-return valve, reflux valve, retention valve, one-way valve or as clack valve).

Relationships with other classification places

Insert: New Relationships with other classification places section and text:

Check valves may also be characterized by their structural type (i.e. lift valves, gate valves/sliding valves, plug valves/taps/cocks, diaphragm valves, multiple-way valves) in the following groups F16K1/00 - F16K13/00, when it is not possible to fully classify the structural features in F16K15/00 alone.

References

Application-oriented references

Insert: New Application-oriented references section and table:

Check valves for medical applications. Details of check valves in devices for introducing media into, or onto, the body	A61M39/24
Inhalers with inhalation check valves	A61M15/0013
Inhalers with exhalation check valves	A61M15/0018
One-way valves in medical respiratory devices	A61M16/208
Valves specially adapted for inflatable balls	A63B41/00
Check valves used in devices for preventing contamination of drinking-water pipes	E03C1/104, E03C1/106
Using check valves with a crankcase	F01M2013/0494
Valves for positive displacement machines, pumps	F04B1/182, F04B39/10,

DATE: AUGUST 1, 2021

PROJECT RP0441

	F04B53/10
Check valves for hydraulic or pneumatic systems	F15B13/027
Check valves in means for varying tension of belts	F16H2007/0859
Check valves for lubrication systems	F16N23/00

Informative references

Insert: New Informative references section and table:

Three-way check or safety valves with two or more closure members	F16K 11/105
Safety valves; Equalising valves	F16K 17/00
Details on the construction of the housing in check valves of the lift valve type	F16K 27/0209

Special rules of classification

Replace: Special rules of classification text with the text below:

If the structural features of the check valve cannot be fully classified in this area or when special features so entitle, then classification in F16K1/00 or F16K11/04 and respective subgroups should also be considered.

In some exceptional cases, valves classified in F16K17/00 can also be classified in this subgroup when structural features so entitle. In general, if the structural features are already fully classified in F16K17/00, then additional classification in F16K15/00 is not needed.

Classification should also be given in F16K 11/105 if the valve is a multi-way valve.

Reference “valves specially adapted for inflatable balls A63B41/00” is non-limiting in the main group F16K15/00. CPC will be corrected once this inconsistency is resolved in IPC.

Glossary of terms

DATE: AUGUST 1, 2021

PROJECT RP0441

Insert: New Glossary of terms section and table:

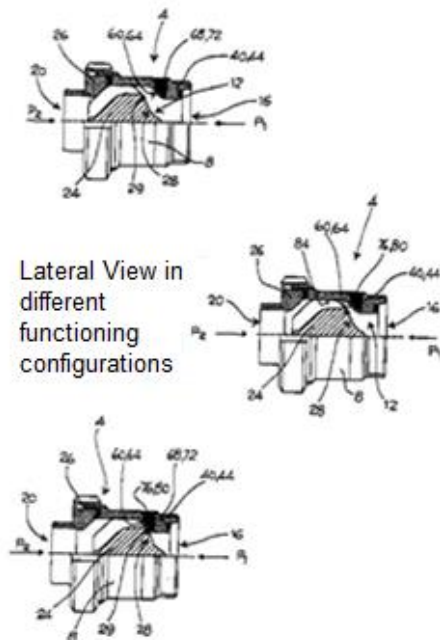
<p>Valve member</p>	<p>generally refers to the component that is moving relative to the seating surface. The valve member itself may be stationary, but there is generally relative movement between it and the seating surface during opening and closing of the valve.</p>
---------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

F16K15/02

Definition statement

This place covers:

Replace: Existing image with the new image below:



CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	F16K 15/03	F16K 15/03, F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 15/036, F16K 15/038, F16K 2200/101, F16K 2200/00, F16K 2200/10, F16K 15/00, F16K 15/02, F16K 15/021, F16K 15/023, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/04, F16K 15/042, F16K 15/044, F16K 15/046, F16K 15/048, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/067, F16K 15/08, F16K 15/10, F16K 15/12, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 15/16, F16K 15/161, F16K 15/162, F16K 15/18, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848, F16K 15/20, F16K 15/202, F16K 15/205, F16K 15/207, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	F16K 15/031	F16K 15/031, F16K 15/034, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	F16K 15/033	F16K 15/033, F16K 15/034, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	F16K 15/035	F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	F16K 15/144	F16K 15/1401, F16K 15/1402, F16K 15/144, F16K 15/1441, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	F16K 15/147	F16K 15/1401, F16K 15/1402, F16K 15/1441, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	F16K 15/148	F16K 15/1401, F16K 15/1402, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	F16K 15/16	F16K 15/1401, F16K 15/1402, F16K 15/16, F16K 15/161, F16K 15/162, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	F16K 15/18	F16K 15/18, F16K 15/182, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
D	F16K 15/181	<administrative transfer to F16K 15/1821>
Q	F16K 15/1821	F16K 15/1821, F16K 15/1841, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
Q	F16K 15/1823	F16K 15/1823, F16K 15/1843

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
Q	F16K 15/1825	F16K 15/1825, F16K 15/1845, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
D	F16K 15/183	<administrative transfer to F16K 15/1823>
D	F16K 15/185	<administrative transfer to F16K 15/1825>
D	F16K 15/186	<administrative transfer to F16K 15/1826>
D	F16K 15/188	<administrative transfer to F16K 15/1848>
C	F16K 27/0227	F16K 27/0227, F16K 27/0232
C	F16K 47/00	F16K 47/00, F16K 47/01, F16K 47/011, F16K 47/0111, F16K 47/0112, F16K 47/012, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	F16K 47/02	F16K 47/01, F16K 47/011, F16K 47/0111, F16K 47/0112, F16K 47/012, F16K 47/02, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	F16K 47/023	F16K 47/01, F16K 47/011, F16K 47/0111, F16K 47/0112, F16K 47/012, F16K 47/023, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	Y10T 137/7837	Y10T 137/7837, F16K 15/00, F16K 15/02, F16K 15/021, F16K 15/023, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/03, F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 15/036, F16K 15/038, F16K 15/04, F16K 15/042, F16K 15/044, F16K 15/046, F16K 15/048, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/067, F16K 15/08, F16K 15/10, F16K 15/12, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 15/16, F16K 15/161, F16K 15/162, F16K 15/18, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848, F16K 15/20, F16K 15/202, F16K 15/205, F16K 15/207, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	Y10T 137/7838	Y10T 137/7838, F16K 15/035, F16K 15/042, F16K 15/066, F16K 15/1401, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848, F16K 15/207, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7839	Y10T 137/7839, F16K 15/035, F16K 15/042, F16K 15/066, F16K 15/1402, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848, F16K 15/207, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/784	Y10T 137/784, F16K 15/1402

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	Y10T 137/7841	Y10T 137/7841, F16K 15/035, F16K 15/042, F16K 15/066, F16K 15/1402, F16K 15/1472, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848, F16K 15/207, F16K 2200/202, F16K 2200/00, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7842	Y10T 137/7842, F16K 15/035, F16K 15/042, F16K 15/066, F16K 15/1401, F16K 15/1402, F16K 15/1472, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848, F16K 15/207, F16K 2200/201, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7843	Y10T 137/7843, F16K 15/1402

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	Y10T 137/7845	Y10T 137/7845, F16K 15/035, F16K 15/042, F16K 15/066, F16K 15/1401, F16K 15/1402, F16K 15/1472, F16K 15/18, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848, F16K 15/207, F16K 2200/201, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7846	Y10T 137/7846, F16K 15/035, F16K 15/042, F16K 15/066, F16K 15/1401, F16K 15/1402, F16K 15/1472, F16K 15/18, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 15/184, F16K 15/1841, F16K 15/1843, F16K 15/1845, F16K 15/1848, F16K 15/207, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7847	Y10T 137/7847, F16K 2200/40, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	Y10T 137/7848	Y10T 137/7848, F16K 2200/401, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7849	Y10T 137/7849, F16K 2200/402, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/785	Y10T 137/785, F16K 47/011, F16K 47/0111, F16K 47/0112, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	Y10T 137/7851	Y10T 137/7851, F16K 47/011, F16K 47/0111, F16K 47/0112, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7852	Y10T 137/7852, F16K 47/011, F16K 47/0111, F16K 47/0112, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	Y10T 137/7853	Y10T 137/7853, F16K 47/011, F16K 47/0111, F16K 47/0112, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7859	Y10T 137/7859, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/786	Y10T 137/786, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	Y10T 137/7861	Y10T 137/7861, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7862	Y10T 137/7862, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7863	Y10T 137/7863, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	Y10T 137/7864	Y10T 137/7864, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7865	Y10T 137/7865, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7866	Y10T 137/7866, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	Y10T 137/7867	Y10T 137/7867, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7868	Y10T 137/7868, F16K 2200/203, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7876	Y10T 137/7876, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 17/168, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	Y10T 137/7877	Y10T 137/7877, F16K 15/182, F16K 15/1821, F16K 15/1823, F16K 15/1825, F16K 15/1826, F16K 17/168, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42
C	Y10T 137/7878	Y10T 137/7878, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 37/00, F16K 37/0008, F16K 37/0016, F16K 37/0025, F16K 37/0033, F16K 37/0041, F16K 37/005, F16K 37/0058, F16K 37/0066, F16K 37/0075, F16K 37/0083, F16K 37/0091
C	Y10T 137/7879	Y10T 137/7879, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/788	Y10T 137/788, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	Y10T 137/7881	Y10T 137/7881, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7882	Y10T 137/7882, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7883	Y10T 137/7883, F16K 15/1441
C	Y10T 137/7884	Y10T 137/7884, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7885	Y10T 137/7885, F16K 15/1471
C	Y10T 137/7886	Y10T 137/7886, F16K 15/1472
C	Y10T 137/7887	Y10T 137/7887, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	Y10T 137/7888	Y10T 137/7888, F16K 15/14, F16K 15/1401, F16K 15/1402, F16K 15/141, F16K 15/142, F16K 15/144, F16K 15/1441, F16K 15/145, F16K 15/147, F16K 15/1471, F16K 15/1472, F16K 15/148, F16K 15/1481, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7889	Y10T 137/7889, F16K 15/145
C	Y10T 137/789	Y10T 137/789, F16K 15/148
C	Y10T 137/7891	Y10T 137/7891, F16K 15/16
C	Y10T 137/7892	Y10T 137/7892, F16K 15/162
D	Y10T 137/7893	<administrative transfer to F16K 15/161>
D	Y10T 137/7894	<administrative transfer to F16K 15/161>
D	Y10T 137/7895	<administrative transfer to F16K 15/144>
D	Y10T 137/7896	<administrative transfer to F16K 15/142>
C	Y10T 137/7898	Y10T 137/7898, F16K 15/03, F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 15/036, F16K 15/038
C	Y10T 137/79	Y10T 137/79, F16K 27/0232
C	Y10T 137/7901	Y10T 137/7901, F16K 15/03, F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 15/036, F16K 15/038, F16K 2200/101
C	Y10T 137/7904	Y10T 137/7904, F16K 15/02, F16K 15/021, F16K 15/023, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/03, F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 15/036, F16K 15/038, F16K 15/04, F16K 15/042, F16K 15/044, F16K 15/046, F16K 15/048, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/067, F16K 15/08, F16K 15/10, F16K 15/12, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	Y10T 137/7905	Y10T 137/7905, F16K 2200/302, F16K 15/02, F16K 15/021, F16K 15/023, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/03, F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 15/036, F16K 15/038, F16K 15/04, F16K 15/042, F16K 15/044, F16K 15/046, F16K 15/048, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/067, F16K 15/08, F16K 15/10, F16K 15/12, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7906	Y10T 137/7906, F16K 2200/304, F16K 31/524, F16K 31/52408, F16K 31/52416, F16K 31/52425, F16K 31/52433, F16K 31/52441, F16K 31/5245, F16K 31/52458, F16K 31/52466, F16K 31/52475, F16K 31/52483, F16K 31/52491, F16K 15/02, F16K 15/021, F16K 15/023, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/03, F16K 15/031, F16K 15/033, F16K 15/034, F16K 15/035, F16K 15/036, F16K 15/038, F16K 15/04, F16K 15/042, F16K 15/044, F16K 15/046, F16K 15/048, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/067, F16K 15/08, F16K 15/10, F16K 15/12, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7922	Y10T 137/7922, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/044, F16K 15/046, F16K 15/063, F16K 15/064, F16K 15/065, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053
C	Y10T 137/7923	Y10T 137/7923, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/044, F16K 15/046, F16K 15/063, F16K 15/064, F16K 15/065, F16K 2200/303
C	Y10T 137/7924	Y10T 137/7924, F16K 15/065

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	Y10T 137/7925	Y10T 137/7925, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 17/00, F16K 17/003, F16K 17/006, F16K 17/02, F16K 17/025, F16K 17/04, F16K 17/0406, F16K 17/0413, F16K 17/042, F16K 17/0426, F16K 17/0433, F16K 17/044, F16K 17/0446, F16K 17/0453, F16K 17/046, F16K 17/0466, F16K 17/0473, F16K 17/048, F16K 17/0486, F16K 17/0493, F16K 17/06, F16K 17/065, F16K 17/08, F16K 17/082, F16K 17/085, F16K 17/087, F16K 17/10, F16K 17/105, F16K 17/12, F16K 17/14, F16K 17/16, F16K 17/1606, F16K 17/1613, F16K 17/162, F16K 17/1626, F16K 17/1633, F16K 17/164, F16K 17/168, F16K 17/18, F16K 17/19, F16K 17/192, F16K 17/194, F16K 17/196, F16K 17/20, F16K 17/205, F16K 17/22, F16K 17/24, F16K 17/26, F16K 17/28, F16K 17/285, F16K 17/30, F16K 17/32, F16K 17/34, F16K 17/36, F16K 17/363, F16K 17/366, F16K 17/38, F16K 17/383, F16K 17/386, F16K 17/40, F16K 17/403, F16K 17/406, F16K 17/42, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053
C	Y10T 137/7927	Y10T 137/7927, F16K 15/044, F16K 15/046, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053
C	Y10T 137/7928	Y10T 137/7928, F16K 15/044, F16K 15/046
C	Y10T 137/7929	Y10T 137/7929, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/044, F16K 15/046, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7931	Y10T 137/7931, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/044, F16K 15/046, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053, F16K 2200/00, F16K 2200/10, F16K 2200/101, F16K 2200/102, F16K 2200/20, F16K 2200/201, F16K 2200/202, F16K 2200/203, F16K 2200/204, F16K 2200/40, F16K 2200/401, F16K 2200/402, F16K 2200/50, F16K 2200/501, F16K 2200/502
C	Y10T 137/7936	Y10T 137/7936, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053
C	Y10T 137/7938	Y10T 137/7938, F16K 15/025, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/08, F16K 15/10, F16K 15/12, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	Y10T 137/7939	Y10T 137/7939, F16K 15/025, F16K 15/026, F16K 15/028, F16K 15/06, F16K 15/063, F16K 15/064, F16K 15/065, F16K 15/066, F16K 15/08, F16K 15/10, F16K 15/12, F16K 2200/30, F16K 2200/301, F16K 2200/302, F16K 2200/303, F16K 2200/304, F16K 2200/305, F16K 2200/3051, F16K 2200/3052, F16K 2200/3053

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“To”) symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
F16K 15/034	F16K 15/03	NEW
F16K 15/064	F16K 15/06	NEW
F16K 15/065	F16K 15/06	NEW
F16K 15/067	F16K 15/06	NEW
F16K 15/1401	F16K 15/14	NEW
F16K 15/1402	F16K 15/14	NEW
F16K 15/1441	F16K 15/14	NEW
F16K 15/1471	F16K 15/14	NEW
F16K 15/1472	F16K 15/14	NEW
F16K 15/1481	F16K 15/14	NEW
F16K 15/161	F16K 15/16	NEW
F16K 15/162	F16K 15/16	NEW
F16K 15/181		DELETE
F16K 15/182	F16K 15/18	NEW
F16K 15/1821	F16K 15/18	NEW
F16K 15/1823	F16K 15/18	NEW
F16K 15/1825	F16K 15/18	NEW
F16K 15/1826	F16K 15/18	NEW
F16K 15/183		DELETE
F16K 15/184	F16K 15/18	NEW
F16K 15/1841	F16K 15/18	NEW
F16K 15/1843	F16K 15/18	NEW
F16K 15/1845	F16K 15/18	NEW
F16K 15/1848	F16K 15/18	NEW
F16K 15/185		DELETE
F16K 15/186		DELETE
F16K 15/188		DELETE
F16K 27/0232	F16K 27/02	NEW
F16K 47/01	F16K 47/00	NEW
F16K 47/011	F16K 47/00	NEW
F16K 47/0111	F16K 47/00	NEW
F16K 47/0112	F16K 47/00	NEW
F16K 47/012	F16K 47/00	NEW
F16K 2200/00	CPCONLY	NEW
F16K 2200/10	CPCONLY	NEW
F16K 2200/101	CPCONLY	NEW
F16K 2200/102	CPCONLY	NEW
F16K 2200/20	CPCONLY	NEW
F16K 2200/201	CPCONLY	NEW
F16K 2200/202	CPCONLY	NEW

CPC NOTICE OF CHANGES 1119

DATE: AUGUST 1, 2021

PROJECT RP0441

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
F16K 2200/203	CPCONLY	NEW
F16K 2200/204	CPCONLY	NEW
F16K 2200/30	CPCONLY	NEW
F16K 2200/301	CPCONLY	NEW
F16K 2200/302	CPCONLY	NEW
F16K 2200/303	CPCONLY	NEW
F16K 2200/304	CPCONLY	NEW
F16K 2200/305	CPCONLY	NEW
F16K 2200/3051	CPCONLY	NEW
F16K 2200/3052	CPCONLY	NEW
F16K 2200/3053	CPCONLY	NEW
F16K 2200/40	CPCONLY	NEW
F16K 2200/401	CPCONLY	NEW
F16K 2200/402	CPCONLY	NEW
F16K 2200/50	CPCONLY	NEW
F16K 2200/501	CPCONLY	NEW
F16K 2200/502	CPCONLY	NEW
Y10T 137/7893		DELETE
Y10T 137/7894		DELETE
Y10T 137/7895		DELETE
Y10T 137/7896		DELETE

* Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IP C symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICAL table above.
- T and M symbols are not included in the CICAL table above unless a change to the existing IPC is desired.