

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 189

DATE: MAY 1, 2016

PROJECT MP0144

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>Scheme Warning Notices to be deleted:</b>	F02M	25/0827
	F04B	7/0053
	F04B	53/001
	F04C	29/047
	F04C	29/06
	F04D	27/00
	F04D	27/002
	F04D	27/003
	F04D	27/004
	F04D	27/005
	F04D	27/006
	F04D	27/007
	F04D	27/008
	F04D	27/009
	F15B	13/02
	F15B	15/1442
	F15B	15/1452
	F15B	15/1461
	F15B	15/2815
	F16G	13/20
	F16H	25/205
	F16H	25/2056
	F16H	57/0018
	F16H	57/02
	F16H	57/04
	F16H	61/0006
	F16H	61/0248
	F16H	61/0274
	F16H	61/707
	F16H	63/42
	F16K	1/20
	F16K	1/42
	F16K	1/465
	F16K	5/0678

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	F16K	15/021
	F16K	15/023
	F16K	15/048
	F16K	15/063
	F16K	17/046
	F16K	17/366
	F16K	21/165
	F16K	21/185
	F16K	24/044
	F16K	27/029
	F16K	27/048
	F16K	27/07
	F16K	31/008
	F16K	31/041
	F16K	31/465
	F16K	31/506
	F16K	31/508
	F16K	31/607
	F16K	39/045
	F16K	41/063
	F16K	41/066
	F16K	41/083
	F16K	41/086
	F16P	3/14
	F21V	15/01
	F21V	15/015
	F21V	17/08
	F21V	21/005
	F21V	21/008
	F21V	21/104
	F21V	21/108
	F21V	21/112
	F21V	21/116
	F21V	21/13
	F21V	21/15
	F21V	21/35
	F21V	21/40
	F21V	27/02
	F23B	10/02
	F23B	90/00
	F23G	7/07
	F23Q	2/161
	F23Q	2/325

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	F23Q	2/345
	F23Q	2/365
	F24C	15/025
	F24C	15/083
	F24C	15/108
	F24C	15/2007
	F24F	1/00
	F25J	3/04
	F28D	21/0001
	F41B	11/53
	F41B	11/72
	F41B	11/85
	F41B	11/87

**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 Notice(s)
  - C. New, Modified or Deleted Note(s)
  - D. New, Modified or Deleted Guidance Heading(s)
2. DEFINITIONS (New or Modified)
  - A. DEFINITIONS (Full definition template)
  - B. DEFINITIONS (Definitions Quick Fix)
3.  REVISION CONCORDANCE LIST (RCL)
4.  CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5.  CROSS-REFERENCE LIST (CRL)

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## 1. CLASSIFICATION SCHEME CHANGES

B. New, Modified or Deleted Warning notice(s)**SUBCLASS F02M - SUPPLYING COMBUSTION ENGINES IN GENERAL, WITH COMBUSTIBLE MIXTURES OR CONSTITUENTS THEREOF (charging such engines F02B)**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F02M25/0827	Not complete, see also F02M25/0809. The backlog is being continuously reclassified	

**SUBCLASS F04B - POSITIVE DISPLACEMENT MACHINES FOR LIQUIDS; PUMPS (machines for liquids, or pumps, of rotary piston or oscillating piston type F04C; non-positive displacement pumps F04D; pumping of fluid by direct contact of another fluid or by using inertia of fluid to be pumped F04F; crankshafts, crossheads, connecting-rods F16C; flywheels F16F; gearings for interconverting rotary motion and reciprocating motion in general F16H; pistons, piston-rods, cylinders, in general F16J)**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F04B7/0053	Groups F04B7/0057 to F04B7/0069 are not used for classification. The documents are in the process of being reclassified to subclass F01L	
D	F04B53/001	Group F04B53/001 and subgroups are not complete, see F04B11/00, F04B53/16	

**SUBCLASS F04C - ROTARY-PISTON, OR OSCILLATING-PISTON, POSITIVE-DISPLACEMENT MACHINES FOR LIQUIDS (engines F03C); ROTARY-PISTON, OR OSCILLATING-PISTON, POSITIVE-DISPLACEMENT PUMPS**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F04C29/047	WARNING this group is pending a reorganisation, see also F04C29/04	
D	F04C29/06	Subgroups F04C 29/061 to F04C 29/068 pending a reorganisation, see also F04C29/06	

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**SUBCLASS F04D - NON-POSITIVE DISPLACEMENT PUMPS**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F04D27/00	This group is not complete pending a reorganisation. See also group F04D27/02 which covers also control in general not focussing on surge control	
D	F04D27/002	This group is not complete pending a reorganisation. See also group F04D27/0246	
D	F04D27/003	This group is not complete pending a reorganisation. See also group F04D27/0253 )	
D	F04D27/004	This group is not complete pending a reorganisation. See also group F04D27/0261	
D	F04D27/005	This group is not complete pending a reorganisation. See also group F04D27/0269 ]	
D	F04D27/006	This group is not complete pending a reorganisation. See also group F04D27/0276	
D	F04D27/007	This group is not complete pending a reorganisation. See also group F04D27/0284	
D	F04D27/008	This group is not complete pending a reorganisation. See also group F04D27/0292	
D	F04D27/009	This group is not complete pending a reorganisation. See also group F04D27/0207	

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**SUBCLASS F15B - SYSTEMS ACTING BY MEANS OF FLUIDS IN GENERAL; FLUID-PRESSURE ACTUATORS, e.g. SERVO-MOTORS; DETAILS OF FLUID-PRESSURE SYSTEMS, NOT OTHERWISE PROVIDED FOR** ({ hydraulically or pneumatically operated lifting devices for soil-working machines A01B63/10; hydraulic drawing presses B21D; hydraulic or pneumatic manipulators B25J; hydraulic or pneumatic tipping devices for vehicles B60P1/00; hydraulic or pneumatic remote control for railway signals B61L7/04; hydraulic or pneumatic mine supports E21D15/44}); motors, turbines, compressors, blowers, pumps F01 to F04; {fluid signal amplifiers, relays F15C}; fluid dynamics F15D; fluid clutches or brakes F16D; fluid springs F16F; fluid gearing F16H; pistons, cylinders packing F16J; valves, taps, cocks, actuating-floats F16K; safety valves with auxiliary fluid operation of the main valve F16K17/10; fluid-operating means for valves F16K31/12; pipes, pipe joints F16L; lubricating F16N)

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F15B13/02	Subgroups F15B13/023 to F15B13/029 are not complete, see F15B13/02	
D	F15B15/1442	Not complete, see also F15B15/1438	
D	F15B15/1452	Not complete, see also F15B15/1447	
D	F15B15/1461	Not complete, see also F15B15/1457	
D	F15B15/2815	Subgroups F15B15/2846 to F15B15/2884 are not complete, see F15B15/2815	

**SUBCLASS F16G - BELTS, CABLES, OR ROPES, PREDOMINANTLY USED FOR DRIVING PURPOSES; CHAINS; FITTINGS PREDOMINANTLY USED THEREFOR**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F16G13/20	This group is not complete pending a reorganisation, see also F16G13/18	

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**SUBCLASS F16H - GEARING ({steering of motor vehicles by differentially driving ground-engaging elements on opposite vehicle sides B62D11/02})**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F16H25/205	This group is not complete pending reclassification; see also F16H25/20 and subgroups	
D	F16H25/2056	This group is not complete pending reclassification, see also F16H25/20 and subgroups	
D	F16H57/0018	Groups F16H57/0018 and subgroups are not complete pending a reorganisation; see also F16H57/021 , F16H57/022	
D	F16H57/02	Subgroups of F16H57/02 are not complete pending reclassification; see provisionally also respective higher groups	
D	F16H57/04	Subgroups of F16H57/04 are not complete pending reclassification; see provisionally also respective higher groups	
D	F16H61/0006	This group is not complete pending reclassification; see also F16H61/0003	
D	F16H61/0248	This group is not complete pending reclassification; see also groups F16H61/0204 , F16H61/0206	
D	F16H61/0274	This group is not complete pending reclassification; see also groups F16H61/0265 , F16H61/0267	
D	F16H61/707	This group is not complete pending reclassification; see also group F16H63/44	
D	F16H63/42	This group is not complete pending reclassification; see also codes B60K2741/22 , B60K2741/225	

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**SUBCLASS F16K –VALVES; TAPS; COCKS; ACTUATING-FLOATS; DEVICES FOR VENTING OR AERATING {(devices for emptying and evacuating the excess liquid in valves or conduits F16L 55/07)}**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F16K1/20	Subgroups of F16K1/20 are not complete pending a reorganisation, see also F16K1/20	
D	F16K1/42	Subgroups of F16K1/42 are not complete pending a reorganisation, see also F16K1/42 ]	
D	F16K1/465	Not yet complete, see also F16K1/46	
D	F16K5/0678	not yet complete, see also F16K5/0673	
D	F16K15/021	not yet complete	
D	F16K15/023	not yet complete	
D	F16K15/048	not yet complete, see also F16K15/04	
D	F16K15/063	not yet complete, see also F16K15/06	
D	F16K17/046	not yet complete, see also F16K17/0446	
D	F16K17/366	not yet complete, see also F16K17/36	
D	F16K21/165	not yet complete, see also F16K21/16	
D	F16K21/185	not yet complete, see also F16K21/18	
D	F16K24/044	not yet complete, see also F16K24/042	
D	F16K27/029	This group is not complete pending a reorganisation, see also F16K27/02	
D	F16K27/048	This group is not complete pending a reorganisation, see also F16K27/04	
D	F16K27/07	This group is not complete pending a reorganisation, see also F16K51/00	
D	F16K31/008	This group is not complete pending a reorganisation, see also F16K31/007	
D	F16K31/041	Subgroups F16K31/042 to F16K31/045 are not complete pending a reorganisation, see also F16K31/041	
D	F16K31/465	not complete, see also F16K31/46	



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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F16K31/506	not yet complete, see also F16K31/50	
D	F16K31/508	not yet complete, see also F16K31/50	
D	F16K31/607	not complete, see also F16K31/60	
D	F16K39/045	Not yet complete, see F16K39/04 ]	
D	F16K41/063	Not yet complete, see also F16K41/06 ]	
D	F16K41/066	Not yet complete, see also F16K41/06 ]	
D	F16K41/083	Not yet complete, see also F16K41/08 ]	
D	F16K41/086	Not yet complete, see also F16K41/08 ]	

**SUBCLASS F16P - SAFETY DEVICES IN GENERAL; {SAFETY DEVICES FOR PRESSES}**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F16P3/14	Subgroups of F16P3/14 are not complete pending a reorganisation, see also F16P3/14	

**SUBCLASS F21V - DETAILS OF LIGHTING DEVICES, OF GENERAL APPLICATION**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F21V15/01	Not complete, see F21V15/00	
D	F21V15/015	Not complete, see F21V15/00	
D	F21V17/08	Not complete, see F21V17/00	
D	F21V21/005	Not complete, see F21V21/00	
D	F21V21/008	Not complete, see F21V21/00	
D	F21V21/104	Not complete, see F21V21/10	
D	F21V21/108	Not complete, see F21V21/10	
D	F21V21/112	Not complete, see F21V21/10	
D	F21V21/116	Not complete, see F21V21/10	
D	F21V21/13	Not complete, see F21V21/00	
D	F21V21/15	Not complete, see F21V21/14	
D	F21V21/35	Not complete, see F21V21/34	
D	F21V21/40	Not complete, see F21V21/00	
D	F21V27/02	Not complete, see F21V27/00	

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**SUBCLASS F23B - METHODS OR APPARATUS FOR COMBUSTION USING ONLY SOLID FUEL** ({for combustion of fuels that are solid at room temperatures, but burned in melted form, e.g. candle wax, C11C5/00, F23C, F23D; using solid fuel suspended in air F23C, F23D1/00; using solid fuel suspended in liquids F23C, F23D11/00; using solid fuel and fluent fuel simultaneously or alternately F23C, F23D17/00; burning of low grade fuel F23G; grates F23H; feeding solid fuel to combustion apparatus F23K; combustion chambers, not otherwise provided for F23M; domestic apparatus F24; central heating boilers F24D; package boilers F24H})

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F23B10/02	Group F23B10/02 is not complete pending a reorganisation. See also groups F23B10/00	
D	F23B90/00	Groups F23B90/00 to F23B90/08 are not complete pending a reorganisation. See also groups F23B1/00 to F23B7/007	

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**SUBCLASS F23G - CREMATION FURNACES; CONSUMING WASTE PRODUCTS BY COMBUSTION**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F23G7/07	This subgroup [IPC8] introduced in January 2006 is not complete. Documents from IPC7-based groups are in the process of being reorganised to this new group	

**SUBCLASS F23Q - IGNITION (devices or installations peculiar to internal-combustion engines F02P; of cigarettes or tobacco A24F; compositions therefor, chemical igniters C06C); Extinguishing-devices**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F23Q2/161	groups F23Q2/161 and F23Q2/165 are not complete, pending reorganisation. See also F23Q2/16	
D	F23Q2/325	groups F23Q2/325 is not complete, pending reorganisation. See also F23Q2/32	
D	F23Q2/345	[N: WARNING, groups F23Q2/345 is not complete, pending reorganisation. See also F23Q2/34	
D	F23Q2/365	groups F23Q2/365 is not complete, pending reorganisation. See also F23Q2/36	

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**SUBCLASS F24C - OTHER DOMESTIC STOVES OR RANGES; DETAILS OF DOMESTIC STOVES OR RANGES, OF GENERAL APPLICATION (radiator stoves of the fluid-circulating type F24H)**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F24C15/025	Groups F24C15/025- F24C15/028 are not complete, pending reclassification. See also F24C15/02	
D	F24C15/083	Groups F24C15/083- F24C15/086 are not complete, pending reclassification. See also F24C15/08	
D	F24C15/108	Group F24C15/108 is not complete, pending reclassification. See also F24C15/10	
D	F24C15/2007	Groups F24C15/2007, F24C15/2014, F24C15/2028- F24C15/2092 are not complete, pending reclassification. See also F24C15/20	

**SUBCLASS F24F - AIR-CONDITIONING, AIR-HUMIDIFICATION, VENTILATION, USE OF AIR CURRENTS FOR SCREENING (devices for ventilating greenhouses A01G { F24F9/24; air-conditioning systems for greenhouses A01G9/246}; animal husbandry A01K, e.g. controlling humidity in incubators A01K41/04; disinfecting or sterilising of air A61L; devices for reconditioning breathing air in sealed rooms or for ventilating gas-proof shelters A62B; filtering, washing or drying of gases B01D; mixing gases with vapours or liquids in general B01F3/00; spraying B05B, B05D; removing dirt or fumes from areas where they are produced B08B15/00; ventilation, air-conditioning or cooling, specially adapted for vehicles, see the relevant vehicle places, e.g. B60H, B61D27/00, { B64D13/00}; production of ozone C01B13/10; chimneys or flues E04F17/02, E04H12/28, F23J11/00, F23L17/02; air ducts or conduits E0417/04, F16L; ventilation in doors or windows E06B7/02; fans, blowers F04; noise-absorbing in pipes or pipe systems F16L; tops for chimneys and ventilating shafts F23L; cooling F25; details of heat-exchange or heat-transfer apparatus, of general application F28F; apparatus for generating ions to be introduced into non-enclosed gases, e.g. the atmosphere H01T23/00)**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F24F1/00	F24F1/08 to F24F1/24 and F24F1/28 to F24F1/68 not complete pending the completion of a reclassification; see also other groups of F24F1/00	

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**SUBCLASS F25J - LIQUEFACTION, SOLIDIFICATION OR SEPARATION OF GASES OR GASEOUS { or liquefied gaseous} MIXTURES BY PRESSURE AND COLD TREATMENT {or by bringing them into the supercritical state} ({cryogenic pumps F04B37/08; gas storage vessels, gas holders F17; filing vessels with, or discharging from vessels, compressed, liquefied or solidified gases F17C; refrigeration machines, plants, or systems F25B})**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F25J3/04	The reclassification has, for the moment, been carried out only down to January 1, 1960.	

**SUBCLASS F28D - HEAT-EXCHANGE APPARATUS, NOT PROVIDED FOR IN ANOTHER SUBCLASS, IN WHICH THE HEAT-EXCHANGE MEDIA DO NOT COME INTO DIRECT CONTACT (fluid heaters having heat generating means and heat transferring means F24H; furnaces F27; details of heat-exchange apparatus of general)**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F28D21/0001	the groups F28D21/0001-F28D21/0014 are not complete, pending reorganisation. See also F28D21/00	

**SUBCLASS F41B - WEAPONS FOR PROJECTING MISSILES WITHOUT USE OF EXPLOSIVE OR COMBUSTIBLE PROPELLANT CHARGE; WEAPONS NOT OTHERWISE PROVIDED FOR (projectiles for fishing, e.g. fish-spears, A01K81/00; sports implements for throwing A63B65/00, e.g. boomerangs A63B65/08; stationary apparatus for projecting sports balls, e.g. tennis balls, A63B69/40; throwing or slinging toys A63H33/18; knives, axes B26B; projectiles or missiles other than those incorporating springs as projecting means F42B6/00)**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	F41B11/53	This group is not complete pending reclassification; see also group F41B11/52	
D	F41B11/72	Groups F41B11/721 to F41B11/724 are not complete pending reclassification; see also group F41B11/72	
D	F41B11/85	This group is not complete pending reclassification; see also groups F41B11/50-F41B11/724	
D	F41B11/87	This group is not complete pending reclassification; see also groups F41B11/50-F41B11/724	

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

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.