

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 717

DATE: AUGUST 1, 2019

PROJECT RP0211

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:	G02B	15/161
Symbols Deleted Pending Reclassification: (frozen (F))	G02B	15/155
Symbols New:	G02B	15/142, 15/1421, 15/1425, 15/143, 15/1431, 15/143101, 15/143103, 15/143105, 15/143107, 15/1435, 15/143501, 15/143503, 15/143505, 15/143507, 15/144, 15/1441, 15/144101, 15/144103, 15/144105, 15/144107, 15/144109, 15/144111, 15/144113, 15/144115, 15/1445, 15/144501, 15/144503, 15/144505, 15/144507, 15/144509, 15/144511, 15/144513, 15/144515, 15/145, 15/1451, 15/145101, 15/145103, 15/145105, 15/145107, 15/145109, 15/145111, 15/145113, 15/145115, 15/145117, 15/145119, 15/145121, 15/145123, 15/145125, 15/145127, 15/145129, 15/145131, 15/1455, 15/145501, 15/145503, 15/145505, 15/145507, 15/145509, 15/145511, 15/145513, 15/145515, 15/145517, 15/145519, 15/145521, 15/145523, 15/145525, 15/145527, 15/145529, 15/145531, 15/146, 15/1461, 15/1465
Warnings New:	G02B	15/14, 15/142, 15/1421, 15/1425, 15/143, 15/1431, 15/1435, 15/144, 15/144101, 15/144103, 15/144105, 15/144107, 15/144109, 15/144111, 15/144113, 15/144115, 15/1445, 15/144501, 15/144503, 15/144505, 15/144507, 15/144509, 15/144511, 15/144513, 15/144515, 15/145, 15/1451, 15/145101, 15/145103, 15/145105, 15/145107, 15/145109, 15/145111, 15/145113, 15/145115, 15/145117, 15/145119, 15/145121, 15/145123, 15/145125, 15/145127, 15/145129, 15/145131, 15/1455, 15/145501, 15/145503, 15/145505, 15/145507, 15/145509, 15/145511, 15/145513, 15/145515, 15/145517, 15/145519, 15/145521,

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
		15/145523, 15/145525, 15/145527, 15/145529, 15/145531, 15/146, 15/1461, 15/15, 15/155, 15/16, 15/163, 15/167, 15/17, 15/173, 15/177, 15/20
DEFINITIONS:		
Definitions Modified:	G02B	15/00

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)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS G02B – OPTICAL ELEMENTS, SYSTEMS, OR APPARATUS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
C	G02B15/14	1	by axial movement of one or more lenses or groups of lenses relative to the image plane for continuously varying the equivalent focal length of the objective	G02B15/14, G02B15/142, G02B15/1421, G02B15/1425, G02B15/143, G02B15/1431, G02B15/143101, G02B15/143103, G02B15/143105, G02B15/143107, G02B15/1435, G02B15/143501, G02B15/143503, G02B15/143505, G02B15/143507, G02B15/144, G02B15/1441, G02B15/144101, G02B15/144103, G02B15/144105, G02B15/144107, G02B15/144109, G02B15/144111, G02B15/144113, G02B15/144115, G02B15/1445, G02B15/144501, G02B15/144503, G02B15/144505, G02B15/144507, G02B15/144509, G02B15/144511, G02B15/144513, G02B15/144515, G02B15/145, G02B15/1451,

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				G02B15/145101, G02B15/145103, G02B15/145105, G02B15/145107, G02B15/145109, G02B15/145111, G02B15/145113, G02B15/145115, G02B15/145117, G02B15/145119, G02B15/145121, G02B15/145123, G02B15/145125, G02B15/145127, G02B15/145129, G02B15/145131, G02B15/1455, G02B15/145501, G02B15/145503, G02B15/145505, G02B15/145507, G02B15/145509, G02B15/145511, G02B15/145513, G02B15/145515, G02B15/145517, G02B15/145519, G02B15/145521, G02B15/145523, G02B15/145525, G02B15/145527, G02B15/145529, G02B15/145531, G02B15/146, G02B15/1461, G02B15/1465
Q	G02B15/142	2	{having two groups only}	G02B15/142, G02B15/1421, G02B15/1425
N	G02B15/1421	3	{the first group being positive}	
N	G02B15/1425	3	{the first group being negative}	
N	G02B15/143	2	{having three groups only}	
N	G02B15/1431	3	{the first group being positive}	
N	G02B15/143101	4	{arranged +-}	
N	G02B15/143103	4	{arranged ++}	
N	G02B15/143105	4	{arranged +++}	
N	G02B15/143107	4	{arranged +++}	

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N	G02B15/1435	3	{the first group being negative}	
N	G02B15/143501	4	{arranged ---}	
N	G02B15/143503	4	{arranged +-}	
N	G02B15/143505	4	{arranged --+}	
N	G02B15/143507	4	{arranged -++}	
N	G02B15/144	2	{having four groups only}	
N	G02B15/1441	3	{the first group being positive}	
N	G02B15/144101	4	{arranged +---}	
N	G02B15/144103	4	{arranged +++-}	
N	G02B15/144105	4	{arranged ++-}	
N	G02B15/144107	4	{arranged +++-}	
N	G02B15/144109	4	{arranged +--+}	
N	G02B15/144111	4	{arranged ++++}	
N	G02B15/144113	4	{arranged ++++}	
N	G02B15/144115	4	{arranged ++++}	
N	G02B15/1445	3	{the first group being negative}	
N	G02B15/144501	4	{arranged ----}	
N	G02B15/144503	4	{arranged -+-}	
N	G02B15/144505	4	{arranged --+}	
N	G02B15/144507	4	{arranged -++}	
N	G02B15/144509	4	{arranged ---+}	
N	G02B15/144511	4	{arranged -++}	
N	G02B15/144513	4	{arranged -+++}	
N	G02B15/144515	4	{arranged -+++}	
N	G02B15/145	2	{having five groups only}	
N	G02B15/1451	3	{the first group being positive}	
N	G02B15/145101	4	{arranged +----}	
N	G02B15/145103	4	{arranged ++---}	
N	G02B15/145105	4	{arranged +-+-}	
N	G02B15/145107	4	{arranged +++-}	
N	G02B15/145109	4	{arranged +--+}	
N	G02B15/145111	4	{arranged ++++}	
N	G02B15/145113	4	{arranged ++++}	
N	G02B15/145115	4	{arranged ++++}	
N	G02B15/145117	4	{arranged +---}	
N	G02B15/145119	4	{arranged ++++}	
N	G02B15/145121	4	{arranged +-++}	
N	G02B15/145123	4	{arranged ++++}	
N	G02B15/145125	4	{arranged +---}	
N	G02B15/145127	4	{arranged ++++}	
N	G02B15/145129	4	{arranged +---}	
N	G02B15/145131	4	{arranged ++++}	
N	G02B15/1455	3	{the first group being negative}	
N	G02B15/145501	4	{arranged ----}	
N	G02B15/145503	4	{arranged -+-}	

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N	G02B15/145505	4	{arranged ---}	
N	G02B15/145507	4	{arranged -+++}	
N	G02B15/145509	4	{arranged ---}	
N	G02B15/145511	4	{arranged -+-}	
N	G02B15/145513	4	{arranged -+++}	
N	G02B15/145515	4	{arranged -+++}	
N	G02B15/145517	4	{arranged ----}	
N	G02B15/145519	4	{arranged -+++}	
N	G02B15/145521	4	{arranged -+-}	
N	G02B15/145523	4	{arranged -+++}	
N	G02B15/145525	4	{arranged -+++}	
N	G02B15/145527	4	{arranged -+-}	
N	G02B15/145529	4	{arranged -+++}	
N	G02B15/145531	4	{arranged -+++}	
N	G02B15/146	2	{having more than five groups}	
N	G02B15/1461	3	{the first group being positive}	
N	G02B15/1465	3	{the first group being negative}	
C	G02B15/15	2	compensation by means of only one movement or by means of only linearly related movements, e.g. optical compensation	G02B15/142, G02B15/1421, G02B15/1425, G02B15/143, G02B15/1431, G02B15/143101, G02B15/143103, G02B15/143105, G02B15/143107, G02B15/1435, G02B15/143501, G02B15/143503, G02B15/143505, G02B15/143507, G02B15/144, G02B15/1441, G02B15/144101, G02B15/144103, G02B15/144105, G02B15/144107, G02B15/144109, G02B15/144111, G02B15/144113, G02B15/144115, G02B15/1445, G02B15/144501, G02B15/144503, G02B15/144505, G02B15/144507,

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				G02B15/144509, G02B15/144511, G02B15/144513, G02B15/144515, G02B15/145, G02B15/1451, G02B15/145101, G02B15/145103, G02B15/145105, G02B15/145107, G02B15/145109, G02B15/145111, G02B15/145113, G02B15/145115, G02B15/145117, G02B15/145119, G02B15/145121, G02B15/145123, G02B15/145125, G02B15/145127, G02B15/145129, G02B15/145131, G02B15/1455, G02B15/145501, G02B15/145503, G02B15/145505, G02B15/145507, G02B15/145509, G02B15/145511, G02B15/145513, G02B15/145515, G02B15/145517, G02B15/145519, G02B15/145521, G02B15/145523, G02B15/145525, G02B15/145527, G02B15/145529, G02B15/145531, G02B15/146, G02B15/1461, G02B15/1465, G02B15/15
F	G02B15/155	3	{Zoomlenses arranged symmetrically around a central plane, e.g. a diaphragm-containing plane }	G02B15/142, G02B15/1421, G02B15/1425, G02B15/143,

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				G02B15/1431, G02B15/143101, G02B15/143103, G02B15/143105, G02B15/143107, G02B15/1435, G02B15/143501, G02B15/143503, G02B15/143505, G02B15/143507, G02B15/144, G02B15/1441, G02B15/144101, G02B15/144103, G02B15/144105, G02B15/144107, G02B15/144109, G02B15/144111, G02B15/144113, G02B15/144115, G02B15/1445, G02B15/144501, G02B15/144503, G02B15/144505, G02B15/144507, G02B15/144509, G02B15/144511, G02B15/144513, G02B15/144515, G02B15/145, G02B15/1451, G02B15/145101, G02B15/145103, G02B15/145105, G02B15/145107, G02B15/145109, G02B15/145111, G02B15/145113, G02B15/145115, G02B15/145117, G02B15/145119, G02B15/145121, G02B15/145123, G02B15/145125, G02B15/145127, G02B15/145129, G02B15/145131,

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				G02B15/1455, G02B15/145501, G02B15/145503, G02B15/145505, G02B15/145507, G02B15/145509, G02B15/145511, G02B15/145513, G02B15/145515, G02B15/145517, G02B15/145519, G02B15/145521, G02B15/145523, G02B15/145525, G02B15/145527, G02B15/145529, G02B15/145531, G02B15/146, G02B15/1461, G02B15/1465
C	G02B15/16	2	with interdependent non-linearly related movements between one lens or lens group, and another lens or lens group (G02B 15/22 takes precedence)	G02B15/142, G02B15/1421, G02B15/1425, G02B15/143, G02B15/1431, G02B15/143101, G02B15/143103, G02B15/143105, G02B15/143107, G02B15/1435, G02B15/143501, G02B15/143503, G02B15/143505, G02B15/143507, G02B15/144, G02B15/1441, G02B15/144101, G02B15/144103, G02B15/144105, G02B15/144107, G02B15/144109, G02B15/144111, G02B15/144113, G02B15/144115, G02B15/1445, G02B15/144501, G02B15/144503,

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				G02B15/144505, G02B15/144507, G02B15/144509, G02B15/144511, G02B15/144513, G02B15/144515, G02B15/145, G02B15/1451, G02B15/145101, G02B15/145103, G02B15/145105, G02B15/145107, G02B15/145109, G02B15/145111, G02B15/145113, G02B15/145115, G02B15/145117, G02B15/145119, G02B15/145121, G02B15/145123, G02B15/145125, G02B15/145127, G02B15/145129, G02B15/145131, G02B15/1455, G02B15/145501, G02B15/145503, G02B15/145505, G02B15/145507, G02B15/145509, G02B15/145511, G02B15/145513, G02B15/145515, G02B15/145517, G02B15/145519, G02B15/145521, G02B15/145523, G02B15/145525, G02B15/145527, G02B15/145529, G02B15/145531, G02B15/146, G02B15/1461, G02B15/1465, G02B15/16
D	G02B15/161	3	<i>{Zoom lenses having only two lenses or lens groups}</i>	<administrative transfer to G02B15/142>

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C	G02B15/163	3	having a first movable lens or lens group and a second movable lens or lens group, both in front of a fixed lens or lens group (G02B 15/177 takes precedence)	G02B15/143, G02B15/1431, G02B15/143101, G02B15/143103, G02B15/143105, G02B15/143107, G02B15/1435, G02B15/143501, G02B15/143503, G02B15/143505, G02B15/143507, G02B15/144, G02B15/1441, G02B15/144101, G02B15/144103, G02B15/144105, G02B15/144107, G02B15/144109, G02B15/144111, G02B15/144113, G02B15/144115, G02B15/1445, G02B15/144501, G02B15/144503, G02B15/144505, G02B15/144507, G02B15/144509, G02B15/144511, G02B15/144513, G02B15/144515, G02B15/145, G02B15/1451, G02B15/145101, G02B15/145103, G02B15/145105, G02B15/145107, G02B15/145109, G02B15/145111, G02B15/145113, G02B15/145115, G02B15/145117, G02B15/145119, G02B15/145121, G02B15/145123, G02B15/145125, G02B15/145127, G02B15/145129,

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				G02B15/145131, G02B15/1455, G02B15/145501, G02B15/145503, G02B15/145505, G02B15/145507, G02B15/145509, G02B15/145511, G02B15/145513, G02B15/145515, G02B15/145517, G02B15/145519, G02B15/145521, G02B15/145523, G02B15/145525, G02B15/145527, G02B15/145529, G02B15/145531, G02B15/146, G02B15/1461, G02B15/1465, G02B15/163
C	G02B15/167	4	having an additional fixed front lens or group of lenses	G02B15/143, G02B15/1431, G02B15/143101, G02B15/143103, G02B15/143105, G02B15/143107, G02B15/1435, G02B15/143501, G02B15/143503, G02B15/143505, G02B15/143507, G02B15/144, G02B15/1441, G02B15/144101, G02B15/144103, G02B15/144105, G02B15/144107, G02B15/144109, G02B15/144111, G02B15/144113, G02B15/144115, G02B15/1445, G02B15/144501, G02B15/144503, G02B15/144505,

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				G02B15/144507, G02B15/144509, G02B15/144511, G02B15/144513, G02B15/144515, G02B15/145, G02B15/1451, G02B15/145101, G02B15/145103, G02B15/145105, G02B15/145107, G02B15/145109, G02B15/145111, G02B15/145113, G02B15/145115, G02B15/145117, G02B15/145119, G02B15/145121, G02B15/145123, G02B15/145125, G02B15/145127, G02B15/145129, G02B15/145131, G02B15/1455, G02B15/145501, G02B15/145503, G02B15/145505, G02B15/145507, G02B15/145509, G02B15/145511, G02B15/145513, G02B15/145515, G02B15/145517, G02B15/145519, G02B15/145521, G02B15/145523, G02B15/145525, G02B15/145527, G02B15/145529, G02B15/145531, G02B15/146, G02B15/1461, G02B15/1465, G02B15/167
C	G02B15/17	5	arranged +--	G02B15/144, G02B15/1441, G02B15/144101,

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
				G02B15/144103, G02B15/144109, G02B15/144503, G02B15/145, G02B15/1451, G02B15/145101, G02B15/145103, G02B15/145105, G02B15/145107, G02B15/145109, G02B15/145117, G02B15/145119, G02B15/145125, G02B15/1455, G02B15/145503, G02B15/145505, G02B15/145507, G02B15/145519, G02B15/146, G02B15/1461, G02B15/1465, G02B15/17
C	G02B15/173	5	arranged +-+	G02B15/144, G02B15/1441, G02B15/144105, G02B15/144111, G02B15/144113, G02B15/1445, G02B15/144511, G02B15/145, G02B15/1451, G02B15/145105, G02B15/145111, G02B15/145113, G02B15/145121, G02B15/145123, G02B15/145127, G02B15/145129, G02B15/1455, G02B15/145511, G02B15/145521, G02B15/145523, G02B15/145527, G02B15/146, G02B15/1461, G02B15/1465, G02B15/173

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
C	G02B15/177	3	having a negative front lens or group of lenses	G02B15/143, G02B15/1435, G02B15/143501, G02B15/143503, G02B15/143505, G02B15/143507, G02B15/1445, G02B15/144501, G02B15/144503, G02B15/144505, G02B15/144507, G02B15/144509, G02B15/144511, G02B15/144513, G02B15/144515, G02B15/145, G02B15/1455, G02B15/145501, G02B15/145503, G02B15/145507, G02B15/145509, G02B15/145511, G02B15/145513, G02B15/145515, G02B15/145517, G02B15/145519, G02B15/145521, G02B15/145523, G02B15/145525, G02B15/145527, G02B15/145529, G02B15/145531, G02B15/146, G02B15/1465, G02B15/177
C	G02B15/20	3	having an additional movable lens or lens group for varying the objective focal length	G02B15/143, G02B15/1431, G02B15/143101, G02B15/143103, G02B15/143105, G02B15/143107, G02B15/1435, G02B15/143501, G02B15/143503, G02B15/143505, G02B15/143507, G02B15/144,

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
				G02B15/1441, G02B15/144101, G02B15/144103, G02B15/144105, G02B15/144107, G02B15/144109, G02B15/144111, G02B15/144113, G02B15/144115, G02B15/1445, G02B15/144501, G02B15/144503, G02B15/144505, G02B15/144507, G02B15/144509, G02B15/144511, G02B15/144513, G02B15/144515, G02B15/145, G02B15/1451, G02B15/145101, G02B15/145103, G02B15/145105, G02B15/145107, G02B15/145109, G02B15/145111, G02B15/145113, G02B15/145115, G02B15/145117, G02B15/145119, G02B15/145121, G02B15/145123, G02B15/145125, G02B15/145127, G02B15/145129, G02B15/145131, G02B15/1455, G02B15/145501, G02B15/145503, G02B15/145505, G02B15/145507, G02B15/145509, G02B15/145511, G02B15/145513, G02B15/145515, G02B15/145517, G02B15/145519,

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<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>
				G02B15/145521, G02B15/145523, G02B15/145525, G02B15/145527, G02B15/145529, G02B15/145531, G02B15/146, G02B15/1461, G02B15/1465, G02B15/20

*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:

- **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 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 (“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.

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B. New, Modified or Deleted Warning(s)

SUBCLASS G02B – OPTICAL ELEMENTS, SYSTEMS, OR APPARATUS

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	G02B 15/14		Group G02B 15/14 is impacted by reclassification into groups G02B 15/142, G02B 15/1421, G02B 15/1425, G02B 15/143, G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, G02B 15/143107, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144105, G02B 15/144107, G02B 15/144109, G02B 15/144111, G02B 15/144113, G02B 15/144115, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145111, G02B 15/145113, G02B 15/145115, G02B 15/145117, G02B 15/145119, G02B 15/145121, G02B 15/145123, G02B 15/145125, G02B 15/145127, G02B 15/145129, G02B 15/145131, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1461, and G02B 15/1465. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/142		Group G02B 15/142 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, and G02B 15/16.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			Group G02B 15/142 is also impacted by reclassification into groups G02B 15/1421 and G02B 15/1425. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/1421		Group G02B 15/1421 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/142, G02B 15/15, G02B 15/155, and G02B 15/16. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/1425		Group G02B 15/1425 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/142, G02B 15/15, G02B 15/155, and G02B 15/16. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/143		Group G02B 15/143 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/1431		Groups G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, and G02B 15/143107 are incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/1435		Groups G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, and

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			G02B 15/143507 are incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144		Groups G02B 15/144 and G02B 15/1441 are incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, G02B 15/173, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144101		Group G02B 15/144101 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144103		Group G02B 15/144103 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144105		Group G02B 15/144105 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, and G02B 15/20. All groups listed in this Warning should

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			be considered in order to perform a complete search.
N	G02B 15/144107		Group G02B 15/144107 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144109		Group G02B 15/144109 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144111		Group G02B 15/144111 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144113		Group G02B 15/144113 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144115		Group G02B 15/144115 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, and G02B 15/20. All groups listed in this Warning should be considered

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			in order to perform a complete search.
N	G02B 15/1445		Group G02B 15/1445 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144501		Group G02B 15/144501 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144503		Group G02B 15/144503 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144505		Group G02B 15/144505 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144507		Group G02B 15/144507 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144509		Group G02B 15/144509 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144511		Group G02B 15/144511 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144513		Group G02B 15/144513 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/144515		Group G02B 15/144515 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145		Group G02B 15/145 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, G02B 15/173,

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/1451		Group G02B 15/1451 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, G02B 15/173, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145101		Group G02B 15/145101 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145103		Group G02B 15/145103 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145105		Group G02B 15/145105 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, G02B 15/173, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145107		Group G02B 15/145107 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16,

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			G02B 15/163, G02B 15/167, G02B 15/17, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145109		Group G02B 15/145109 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145111		Group G02B 15/145111 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145113		Group G02B 15/145113 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145115		Group G02B 15/145115 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145117		Group G02B 15/145117 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167,

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			G02B 15/17, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145119		Group G02B 15/145119 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145121		Group G02B 15/145121 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145123		Group G02B 15/145123 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145125		Group G02B 15/145125 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145127		Group G02B 15/145127 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, and G02B 15/20. All

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145129		Group G02B 15/145129 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145131		Group G02B 15/145131 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/1455		Group G02B 15/1455 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, G02B 15/173, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145501		Group G02B 15/145501 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145503		Group G02B 15/145503 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, G02B 15/177, and

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145505		Group G02B 15/145505 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145507		Group G02B 15/145507 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145509		Group G02B 15/145509 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145511		Group G02B 15/145511 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145513		Group G02B 15/145513 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16,

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145515		Group G02B 15/145515 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145517		Group G02B 15/145517 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145519		Group G02B 15/145519 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145521		Group G02B 15/145521 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145523		Group G02B 15/145523 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15,

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145525		Group G02B 15/145525 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145527		Group G02B 15/145527 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/173, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145529		Group G02B 15/145529 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/145531		Group G02B 15/145531 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/146		Groups G02B 15/146 and G02B 15/1465 are incomplete pending reclassification of

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			documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, G02B 15/173, G02B 15/177, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/1461		Group G02B 15/1461 is incomplete pending reclassification of documents from groups G02B 15/14, G02B 15/15, G02B 15/155, G02B 15/16, G02B 15/163, G02B 15/167, G02B 15/17, G02B 15/173, and G02B 15/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/15		Group G02B 15/15 is impacted by reclassification into groups G02B 15/142, G02B 15/1421, G02B 15/1425, G02B 15/143, G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, G02B 15/143107, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144105, G02B 15/144107, G02B 15/144109, G02B 15/144111, G02B 15/144113, G02B 15/144115, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145111, G02B 15/145113, G02B 15/145115, G02B 15/145117, G02B 15/145119, G02B 15/145121, G02B 15/145123, G02B 15/145125, G02B 15/145127, G02B 15/145129, G02B 15/145131, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145509, G02B 15/145511,

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			G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1461, and G02B 15/1465. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/155		Group G02B 15/155 is no longer used for the classification of documents as of August 2019. The content of this group is being reclassified into groups G02B 15/142, G02B 15/1421, G02B 15/1425, G02B 15/143, G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, G02B 15/143107, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144105, G02B 15/144107, G02B 15/144109, G02B 15/144111, G02B 15/144113, G02B 15/144115, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145111, G02B 15/145113, G02B 15/145115, G02B 15/145117, G02B 15/145119, G02B 15/145121, G02B 15/145123, G02B 15/145125, G02B 15/145127, G02B 15/145129, G02B 15/145131, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1461, and G02B 15/1465. All groups listed in

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			this Warning should be considered in order to perform a complete search.
N	G02B 15/16		Group G02B 15/16 is impacted by reclassification into groups G02B 15/142, G02B 15/1421, G02B 15/1425, G02B 15/143, G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, G02B 15/143107, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144105, G02B 15/144107, G02B 15/144109, G02B 15/144111, G02B 15/144113, G02B 15/144115, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145111, G02B 15/145113, G02B 15/145115, G02B 15/145117, G02B 15/145119, G02B 15/145121, G02B 15/145123, G02B 15/145125, G02B 15/145127, G02B 15/145129, G02B 15/145131, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1461, and G02B 15/1465. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/163		Group G02B 15/163 is impacted by reclassification into groups G02B 15/143, G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, G02B 15/143107, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505,

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			<p>G02B 15/143507, G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144105, G02B 15/144107, G02B 15/144109, G02B 15/144111, G02B 15/144113, G02B 15/144115, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145111, G02B 15/145113, G02B 15/145115, G02B 15/145117, G02B 15/145119, G02B 15/145121, G02B 15/145123, G02B 15/145125, G02B 15/145127, G02B 15/145129, G02B 15/145131, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1461, and G02B 15/1465.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	G02B 15/167		<p>Group G02B 15/167 is impacted by reclassification into groups G02B 15/143, G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, G02B 15/143107, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144105, G02B 15/144107, G02B 15/144109, G02B 15/144111, G02B 15/144113, G02B 15/144115, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103,</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			<p>G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145111, G02B 15/145113, G02B 15/145115, G02B 15/145117, G02B 15/145119, G02B 15/145121, G02B 15/145123, G02B 15/145125, G02B 15/145127, G02B 15/145129, G02B 15/145131, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1461, and G02B 15/1465. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	G02B 15/17		<p>Group G02B 15/17 is impacted by reclassification into groups G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144109, G02B 15/144503, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145117, G02B 15/145119, G02B 15/145125, G02B 15/1455, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145519, G02B 15/146, G02B 15/1461, and G02B 15/1465. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	G02B 15/173		<p>Group G02B 15/173 is impacted by reclassification into groups G02B 15/144, G02B 15/1441, G02B 15/144105, G02B 15/144111, G02B 15/144113, G02B 15/1445, G02B 15/144511, G02B 15/145, G02B 15/1451, G02B 15/145105, G02B 15/145111, G02B 15/145113, G02B 15/145121, G02B 15/145123, G02B 15/145127, G02B 15/145129, G02B 15/1455, G02B 15/145511, G02B 15/145521, G02B 15/145523, G02B 15/145527, G02B 15/146, G02B 15/1461, and G02B 15/1465.</p>

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/177		Group G02B 15/177 is impacted by reclassification into groups G02B 15/143, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, and G02B 15/1465. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 15/20		Group G02B 15/20 is impacted by reclassification into groups G02B 15/143, G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, G02B 15/143107, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144105, G02B 15/144107, G02B 15/144109, G02B 15/144111, G02B 15/144113, G02B 15/144115, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145111, G02B 15/145113, G02B 15/145115, G02B 15/145117, G02B 15/145119, G02B 15/145121, G02B 15/145123, G02B 15/145125, G02B 15/145127, G02B 15/145129, G02B 15/145131,

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1461, and G02B 15/1465. All groups listed in this Warning should be considered in order to perform a complete search.

*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.

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2. A. DEFINITIONS (modified)

G02B 15/00

Definition statement

ADD: The word “Refractive” to the beginning of the Definition statement.

References

Limiting references

REPLACE: Limiting references table with the one below

This place does not cover:

Anamorphic objectives	G02B 13/08
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Informative references

ADD: Informative references section and table

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

The mechanical aspects of zoom lenses (e.g. cam arrangements) are covered by	G02B 7/04
Simple miniaturized zoom lenses for mobile electronic devices	G02B 13/009
Catoptric systems having a variable magnification	G02B 17/0694
Catadioptric systems having a variable magnification	G02B 17/0896
Optical systems with movable elements for controlling the degree of correction of specific optical aberrations	G02B 27/0068

Special rules of classification

REPLACE: Existing Special rules of classification with the section shown below

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The range G02B15/142 to G02B15/1465 covers zoom objectives characterised by the number of groups and the corresponding refractive power sign sequence of the groups.

The refractive power of a group is the combined refractive power of the lenses constituting the group.

Groups are counted as consecutive sets of one or more lenses that remain fixed or move in unison, e.g., distances between lenses are constant within a group whereas distances between groups are variable during zooming.

Lens groups having two or more separate subgroups with a variable spacing are to be counted as multiple groups.

The symbols have the following systematic structure:

G02B15/14ABCD (A-D being digits 0-9)

“A” is the number of groups

“B” defines the sign of the first group: 1 if the refractive power of the group is positive and 5 if negative

“CD” is a two-digit number with an eventual leading zero defining the remaining refractive power sequence on the basis of a decimal conversion of the plus (1) or minus (0) binary sequence of the positive groups, e.g. the sum of the values of the remaining positive groups, plus one (1):

Group	1st	2nd	3rd	4th	5 th and higher
Positive refractive power	1	2	4	8	16
Negative refractive power	1	0	0	0	0

The first group has always the value of one (1) regardless of the sign of the first group, e.g. one (1) is added to the total, to avoid trailing zeros.

The sign of the first group is coded in position B.

Examples:

- A four group zoom arranged - + + - (“0110”)

A = 4 groups

B = 5 (1st negative)

CD = $1*1+2*1+4*1+8*0 = 07$

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G02B15/144507 {arranged - + + - }

- A five group zoom arranged + + + - + (“11101”)

A = 5 groups

B = 1 (1st positive)

CD = $1*1+2*1+4*1+8*0+16*1 = 23$

G02B15/145123 {arranged + + + - + }

Synonyms and Keywords

REPLACE: Definition for Lens group with the one shown below

In patent documents, the following words/expressions are often used with the meaning indicated:

Lens group	A consecutive set of one or more lenses that remain fixed or move in unison.
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3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	G02B 15/14	G02B 15/14, G02B 15/142, G02B 15/1421, G02B 15/1425, G02B 15/143, G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, G02B 15/143107, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144105, G02B 15/144107, G02B 15/144109, G02B 15/144111, G02B 15/144113, G02B 15/144115, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145111, G02B 15/145113, G02B 15/145115, G02B 15/145117, G02B 15/145119, G02B 15/145121, G02B 15/145123, G02B 15/145125, G02B 15/145127, G02B 15/145129, G02B 15/145131, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1461, G02B 15/1465
Q	G02B 15/142	G02B 15/142, G02B 15/1421, G02B 15/1425

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	G02B 15/15	G02B 15/142, G02B 15/1421, G02B 15/1425, G02B 15/143, G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, G02B 15/143107, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144105, G02B 15/144107, G02B 15/144109, G02B 15/144111, G02B 15/144113, G02B 15/144115, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145111, G02B 15/145113, G02B 15/145115, G02B 15/145117, G02B 15/145119, G02B 15/145121, G02B 15/145123, G02B 15/145125, G02B 15/145127, G02B 15/145129, G02B 15/145131, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1461, G02B 15/1465, G02B 15/15

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
F	G02B 15/155	G02B 15/142, G02B 15/1421, G02B 15/1425, G02B 15/143, G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, G02B 15/143107, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144105, G02B 15/144107, G02B 15/144109, G02B 15/144111, G02B 15/144113, G02B 15/144115, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145111, G02B 15/145113, G02B 15/145115, G02B 15/145117, G02B 15/145119, G02B 15/145121, G02B 15/145123, G02B 15/145125, G02B 15/145127, G02B 15/145129, G02B 15/145131, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1461, G02B 15/1465

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	G02B 15/16	G02B 15/142, G02B 15/1421, G02B 15/1425, G02B 15/143, G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, G02B 15/143107, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144105, G02B 15/144107, G02B 15/144109, G02B 15/144111, G02B 15/144113, G02B 15/144115, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145111, G02B 15/145113, G02B 15/145115, G02B 15/145117, G02B 15/145119, G02B 15/145121, G02B 15/145123, G02B 15/145125, G02B 15/145127, G02B 15/145129, G02B 15/145131, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1461, G02B 15/1465, G02B 15/16
D	G02B 15/161	<administrative transfer to G02B 15/142>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	G02B 15/163	G02B 15/143, G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, G02B 15/143107, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144105, G02B 15/144107, G02B 15/144109, G02B 15/144111, G02B 15/144113, G02B 15/144115, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145111, G02B 15/145113, G02B 15/145115, G02B 15/145117, G02B 15/145119, G02B 15/145121, G02B 15/145123, G02B 15/145125, G02B 15/145127, G02B 15/145129, G02B 15/145131, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1461, G02B 15/1465, G02B 15/163

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	G02B 15/167	G02B 15/143, G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, G02B 15/143107, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144105, G02B 15/144107, G02B 15/144109, G02B 15/144111, G02B 15/144113, G02B 15/144115, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145111, G02B 15/145113, G02B 15/145115, G02B 15/145117, G02B 15/145119, G02B 15/145121, G02B 15/145123, G02B 15/145125, G02B 15/145127, G02B 15/145129, G02B 15/145131, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1461, G02B 15/1465, G02B 15/167
C	G02B 15/17	G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144109, G02B 15/144503, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145117, G02B 15/145119, G02B 15/145125, G02B 15/1455, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145519, G02B 15/146, G02B 15/1461, G02B 15/1465, G02B 15/17

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	G02B 15/173	G02B 15/144, G02B 15/1441, G02B 15/144105, G02B 15/144111, G02B 15/144113, G02B 15/1445, G02B 15/144511, G02B 15/145, G02B 15/1451, G02B 15/145105, G02B 15/145111, G02B 15/145113, G02B 15/145121, G02B 15/145123, G02B 15/145127, G02B 15/145129, G02B 15/1455, G02B 15/145511, G02B 15/145521, G02B 15/145523, G02B 15/145527, G02B 15/146, G02B 15/1461, G02B 15/1465, G02B 15/173
C	G02B 15/177	G02B 15/143, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1465, G02B 15/177

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	G02B 15/20	G02B 15/143, G02B 15/1431, G02B 15/143101, G02B 15/143103, G02B 15/143105, G02B 15/143107, G02B 15/1435, G02B 15/143501, G02B 15/143503, G02B 15/143505, G02B 15/143507, G02B 15/144, G02B 15/1441, G02B 15/144101, G02B 15/144103, G02B 15/144105, G02B 15/144107, G02B 15/144109, G02B 15/144111, G02B 15/144113, G02B 15/144115, G02B 15/1445, G02B 15/144501, G02B 15/144503, G02B 15/144505, G02B 15/144507, G02B 15/144509, G02B 15/144511, G02B 15/144513, G02B 15/144515, G02B 15/145, G02B 15/1451, G02B 15/145101, G02B 15/145103, G02B 15/145105, G02B 15/145107, G02B 15/145109, G02B 15/145111, G02B 15/145113, G02B 15/145115, G02B 15/145117, G02B 15/145119, G02B 15/145121, G02B 15/145123, G02B 15/145125, G02B 15/145127, G02B 15/145129, G02B 15/145131, G02B 15/1455, G02B 15/145501, G02B 15/145503, G02B 15/145505, G02B 15/145507, G02B 15/145509, G02B 15/145511, G02B 15/145513, G02B 15/145515, G02B 15/145517, G02B 15/145519, G02B 15/145521, G02B 15/145523, G02B 15/145525, G02B 15/145527, G02B 15/145529, G02B 15/145531, G02B 15/146, G02B 15/1461, G02B 15/1465, G02B 15/20

* 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>.

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- 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.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G02B 15/142	G02B 15/14	NEW
G02B 15/1421	G02B 15/14	NEW
G02B 15/1425	G02B 15/14	NEW
G02B 15/143	G02B 15/14	NEW
G02B 15/1431	G02B 15/14	NEW
G02B 15/143101	G02B 15/14	NEW
G02B 15/143103	G02B 15/14	NEW
G02B 15/143105	G02B 15/14	NEW
G02B 15/143107	G02B 15/14	NEW
G02B 15/1435	G02B 15/14	NEW
G02B 15/143501	G02B 15/14	NEW
G02B 15/143503	G02B 15/14	NEW
G02B 15/143505	G02B 15/14	NEW
G02B 15/143507	G02B 15/14	NEW
G02B 15/144	G02B 15/14	NEW
G02B 15/1441	G02B 15/14	NEW
G02B 15/144101	G02B 15/14	NEW
G02B 15/144103	G02B 15/14	NEW
G02B 15/144105	G02B 15/14	NEW
G02B 15/144107	G02B 15/14	NEW
G02B 15/144109	G02B 15/14	NEW
G02B 15/144111	G02B 15/14	NEW
G02B 15/144113	G02B 15/14	NEW
G02B 15/144115	G02B 15/14	NEW
G02B 15/1445	G02B 15/14	NEW
G02B 15/144501	G02B 15/14	NEW
G02B 15/144503	G02B 15/14	NEW
G02B 15/144505	G02B 15/14	NEW
G02B 15/144507	G02B 15/14	NEW
G02B 15/144509	G02B 15/14	NEW
G02B 15/144511	G02B 15/14	NEW
G02B 15/144513	G02B 15/14	NEW
G02B 15/144515	G02B 15/14	NEW
G02B 15/145	G02B 15/14	NEW
G02B 15/1451	G02B 15/14	NEW
G02B 15/145101	G02B 15/14	NEW
G02B 15/145103	G02B 15/14	NEW
G02B 15/145105	G02B 15/14	NEW
G02B 15/145107	G02B 15/14	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G02B 15/145109	G02B 15/14	NEW
G02B 15/145111	G02B 15/14	NEW
G02B 15/145113	G02B 15/14	NEW
G02B 15/145115	G02B 15/14	NEW
G02B 15/145117	G02B 15/14	NEW
G02B 15/145119	G02B 15/14	NEW
G02B 15/145121	G02B 15/14	NEW
G02B 15/145123	G02B 15/14	NEW
G02B 15/145125	G02B 15/14	NEW
G02B 15/145127	G02B 15/14	NEW
G02B 15/145129	G02B 15/14	NEW
G02B 15/145131	G02B 15/14	NEW
G02B 15/1455	G02B 15/14	NEW
G02B 15/145501	G02B 15/14	NEW
G02B 15/145503	G02B 15/14	NEW
G02B 15/145505	G02B 15/14	NEW
G02B 15/145507	G02B 15/14	NEW
G02B 15/145509	G02B 15/14	NEW
G02B 15/145511	G02B 15/14	NEW
G02B 15/145513	G02B 15/14	NEW
G02B 15/145515	G02B 15/14	NEW
G02B 15/145517	G02B 15/14	NEW
G02B 15/145519	G02B 15/14	NEW
G02B 15/145521	G02B 15/14	NEW
G02B 15/145523	G02B 15/14	NEW
G02B 15/145525	G02B 15/14	NEW
G02B 15/145527	G02B 15/14	NEW
G02B 15/145529	G02B 15/14	NEW
G02B 15/145531	G02B 15/14	NEW
G02B 15/146	G02B 15/14	NEW
G02B 15/1461	G02B 15/14	NEW
G02B 15/1465	G02B 15/14	NEW
G02B 15/161		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 IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (ortho gonal code), with no IPC equivalent, complete the IPC column with “CPC ONLY” and complete the action column with “NEW”.

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