

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 55

DATE: JANUARY 15, 2015

PROJECT RP0110

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

<u>Action*</u>	<u>Subclass</u>	<u>Group(s)</u>
Symbols deleted pending reclassification (frozen (F)):	G02B	1/105
Symbols newly created:	G02B	1/14
	G02B	1/16
	G02B	1/18
Title changes:	G02B	1/10
	G02B	1/105
	G02B	1/111
	G02B	1/113
	G02B	1/115
	G02B	1/116
	G02B	1/118
	G02B	1/12
	G02B	27/0006
Scheme Warning Notices to be added/modified/deleted:	G02B	1/105
	G02B	1/111
	G02B	1/113
	G02B	1/14
	G02B	1/16
	G02B	1/18
Scheme Notes or Guidance Headings to added/modified/deleted:	G02B	1/116

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) or Guidance Heading(s)

2. DEFINITIONS (New or Modified)
 - A. DEFINITIONS (Full definition template)

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- 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

A. New, Modified or Deleted Group(s)

SUBCLASS G02B – OPTICAL ELEMENTS, SYSTEMS, OR APPARATUS

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should be enclosed in {curly brackets}
C	G02B 1/10	1	Optical coatings produced by application to, or surface treatment of, optical elements (G02B 1/08 takes precedence)
F	G02B 1/105	2	{Protective coatings}
U	G02B 1/11	2	Anti-reflection coatings
M	G02B 1/111	3	using layers comprising organic materials
M	G02B 1/113	3	using inorganic layer materials only
M	G02B 1/115	4	Multilayers
C	G02B 1/116	5	including electrically conducting layers
C	G02B 1/118	3	having sub-optical wavelength surface structures designed to provide an enhanced transmittance, e.g. moth-eye structures
M	G02B 1/12	2	by surface treatment, e.g. by irradiation
N	G02B 1/14	2	Protective coatings, e.g. hard coatings
N	G02B 1/16	2	having an anti-static effect, e.g. electrically conducting coatings
N	G02B 1/18	2	Coatings for keeping optical surfaces clean, e.g. hydrophobic or photo-catalytic films (G02B 1/16 takes precedence)
C	G02B 27/0006	1	{with means to keep optical surfaces clean, e.g. by preventing or removing dirt, stains, contamination, condensation (G02B1/18 takes precedence; cleaning in general B08B)}

*N = new entries (reclassification involved); C = entries with modified file scope (reclassification involved); M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen/entries (deleted pending reclassification completion); U = entries that are unchanged

NOTES:

- To simplify understanding, prior to an N group or N group array, include the U group located immediately prior to the N group or N group array in order to clearly illustrate the location of the N group or N group array in the existing scheme.
- “D = deleted entries” and “F = frozen/entries” may be included, in the scheme changes table above if needed for better understanding of the overall scheme.

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B. New, Modified or Deleted Warning notice(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 1/105		Group G02B 1/105 is no longer used for the classification of documents as of January 15, 2015. The backfile of this group is being reclassified into groups G02B 1/14, G02B 1/16 or G02B 1/18. Until reclassification is complete, groups G02B 1/105 and G02B 1/14 - G02B 1/18 should be considered in order to perform a complete search.
N	G02B 1/111		Group G02B 1/111 is incomplete pending reclassification of documents from group G02B 1/118. Until reclassification is complete, groups G02B 1/111 and G02B 1/118 should be considered in order to perform a complete search.
N	G02B 1/113		Groups G02B 1/113 - G02B 1/116 are incomplete pending reclassification of documents from group G02B 1/118. Until reclassification is complete, groups G02B 1/113 - G02B 1/116 and G02B 1/118 should be considered in order to perform a complete search.
N	G02B 1/14		Group G02B 1/14 is incomplete pending reclassification of documents from group G02B 1/105. Until reclassification is complete, groups G02B 1/14 and G02B 1/105 should be considered in order to perform a complete search.
N	G02B 1/16		Group G02B 1/16 is incomplete pending reclassification of documents from group G02B 1/10, G02B 1/105 and G02B 1/116. Until reclassification is complete, groups G02B 1/16, G02B 1/10, G02B 1/105 and G02B 1/116 should be considered in order to perform a complete search.
N	G02B 1/18		Group G02B 1/18 is incomplete pending reclassification of documents from groups G02B1/10, G02B 1/105 and G02B 27/0006. Until reclassification is complete, groups G02B 1/18, G02B1/10, G02B 1/105 and G02B 27/0006 should be considered in order to perform a complete search.

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

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C. New, Modified or Deleted Note(s) or Guidance Heading(s)

SUBCLASS G02B – OPTICAL ELEMENTS, SYSTEMS, OR APPARATUS

<u>Type*</u>	<u>Location</u>	<u>Old Note or Guidance Heading</u>	<u>New/Modified Note or Guidance Heading</u>
N	G02B1/116		<u>Note</u> When {the arrangement of} electrically conducting layers also exhibit an anti-static effect, classification is also made in group G02B1/16.

*N = new note/guidance heading, M = modified note/guidance heading, D = deleted note/guidance heading

2. DEFINITIONS (New or Modified)

Insert:

G02B 1/10

Informative references

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

Reflection coatings	G02B 5/08
Coating of glass in general	C03C 17/00

Insert:

G02B 1/118

Informative references

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

Anti-glare structures	G02B 5/08
Surface plasmon devices	G02B 5/008

Insert:

G02B 1/12

Informative references

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

Surface treatment of glass by irradiation	C03C 23/0005
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3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol (new)</u>
C	G02B1/10	G02B 1/10 G02B 1/16 G02B 1/18
C	G02B1/116	G02B 1/116 G02B 1/16
C	G02B1/118	G02B 1/111 G02B 1/113 G02B 1/115 G02B 1/116 G02B 1/118
C	G02B27/0006	G02B 1/18 G02B 27/0006

* C = entries with modified file scope (reclassification involved); D = deleted entries,

NOTE: Frozen (F) symbols are not included in the RCL table above.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G02B 1/111	G02B 1/111	new IPC
G02B 1/113	G02B 1/113	new IPC
G02B 1/115	G02B 1/115	new IPC
G02B 1/116	G02B 1/116	new IPC
G02B 1/118	G02B 1/118	new IPC
G02B 1/14	G02B 1/14	new CPC/IPC
G02B 1/16	G02B 1/16	new CPC/IPC
G02B 1/18	G02B 1/18	new CPC/IPC

*Action column:

- For a new (N) CPC symbol, provide an IPC symbol and complete the Action column with “new CPC/IPC.”
- For an existing CPC symbol where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “new IPC.”
- For a deleted (D) CPC symbol complete the Action column with “delete CPC/IPC.”
- For a 2000 series CPC symbol with no IPC equivalent, complete the Action column with “CPCONLY”.

NOTE: Frozen (F) symbols are not included in the CICL table above.