

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 933

DATE: AUGUST 1, 2020

PROJECT MP0471

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
Titles Changed:	G02B	6/10, 6/12, 6/36
DEFINITIONS:		
Definitions Modified:	G02B	6/00, 6/02, 6/10, 6/12, 6/24, 6/26, 6/36, 6/42, 6/44, 6/46

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)

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>
M	G02B 6/10	1	of the optical waveguide type (G02B 6/02, G02B 6/24 take precedence; devices or arrangements for the control of light by electric, magnetic, electro-magnetic or acoustic means G02F 1/00; transferring the modulation of modulated light G02F 2/00; optical logic elements G02F 3/00; optical analogue/digital converters G02F 7/00; stores using opto-electronic devices G11C 11/42; electric waveguides H01P; transmission of information by optical means H04B 10/00; multiplex systems H04J 14/00)	
M	G02B 6/12	2	of the integrated circuit kind (production or processing of single crystals C30B; electric integrated circuits H01L 27/00)	
M	G02B 6/36	2	Mechanical coupling means (G02B 6/255, G02B 6/42 take precedence)	

*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.

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- 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 (“T transferred to”) symbol, however it is required to specify “<no transfer>” in the “T transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “T transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
G02B 6/00	Limiting References	Organic materials for light guides G02B 1/045 Manufacture of plastic optical fibres B29D 11/00663 Manufacture of glass optical fibres C03B 37/01 Glass compositions for optical fibres C03C 13/04 Process of coating of optical fibres C03C 25/10 Testing of light guide systems G01M 11/30	Delete the entire Limiting references section.
G02B 6/00	Informative References	Christmas trees A47G 33/04 Surveying of bore holes E21B 47/135 Variable effect lighting F21S 10/005 Measuring vibrations or sonic waves G01H 9/004 Indicating arrangements using optical fibre ends G09F 9/305 Scanners with light guides for illumination H04N 1/02855	Insert the following six new references in the existing Informative references table: Organic materials for light guides G02B 1/045 Manufacture of plastic optical fibres B29D 11/00663 Manufacture of glass optical fibres C03B 37/01 Glass compositions for optical fibres C03C 13/04 Process of coating of optical fibres C03C 25/10 Testing of light guide systems G01M 11/30

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G02B 6/02	Limiting References	<p>Optical fibres for infra-red or ultra-violet radiation G02B 6/102</p> <p>Optical fibres having polarisation effects except for polarisation maintaining optical fibres G02B 6/105</p> <p>Mechanical structures for providing tensile strength and external protection G02B 6/44</p>	<p>Delete the following two references:</p> <p>Optical fibres for infra-red or ultra-violet radiation G02B 6/102</p> <p>Optical fibres having polarisation effects except for polarisation maintaining optical fibres G02B 6/105</p>
G02B 6/02			<p>Insert a new Informative references section with the following two references:</p> <p>Informative references <i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Optical fibres for infra-red or ultra-violet radiation G02B 6/102</p> <p>Optical fibres having polarisation effects except for polarisation maintaining optical fibres G02B 6/105</p>
G02B 6/10	Limiting References	<p>Light guides for illumination G02B 6/0001</p> <p>Optical fibres except for infra-red and ultraviolet transmitting optical fibres and optical fibres having polarisation effects G02B 6/02</p> <p>Polarisation maintaining optical fibres G02B 6/024</p> <p>Optical fibre coupling, and coupling of light guides which are neither of the integrated circuit kind nor for illumination. G02B 6/24</p>	<p>Delete the following two references:</p> <p>Light guides for illumination G02B 6/0001</p> <p>Polarisation maintaining optical fibres G02B 6/024</p> <p>Insert the following three new references in the existing Limiting references table:</p> <p>Stores using opto-electronic devices G11C 11/42</p>

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		<p>Devices or arrangements for the control of light by electric, magnetic, electro-magnetic or acoustic means G02F 1/00</p> <p>Transferring the modulation of modulated light G02F 2/00</p> <p>Optical logic elements G02F 3/00</p> <p>Optical analogue/digital converters G02F 7/00</p> <p>Electric waveguides H01P</p>	<p>Transmission of information by optical means H04B 10/00</p> <p>Multiplex systems H04J 14/00</p>
G02B 6/10	Informative References	<p>Probes and tips for near field optical microscopy G01Q 60/18</p> <p>Stores using opto-electronic devices G11C 11/42</p> <p>Stores using electro-optical elements G11C 13/047</p> <p>Transmission of information by optical means H04B 10/00</p> <p>Multiplex systems H04J 14/00</p>	<p><u>Insert</u> the following two new references in the existing Informative references table:</p> <p>Light guides for illumination G02B 6/0001</p> <p>Polarisation maintaining optical fibres G02B 6/024</p> <p><u>Delete</u> the following three references from the Informative references table:</p> <p>Stores using opto-electronic devices G11C 11/42</p> <p>Transmission of information by optical means H04B 10/00</p> <p>Multiplex systems H04J 14/00</p>
G02B 6/12	Limiting References	<p>Photonic crystals not for waveguiding G02B 1/005</p> <p>Surface plasmon devices not for light guiding G02B 5/008</p> <p>Planar waveguides for infra-red or ultra-violet radiation G02B 6/102</p>	<p><u>Delete</u> the following eight references from the Limiting references table:</p> <p>Photonic crystals not for waveguiding G02B 1/005</p>

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		<p>Planar waveguide paths having polarisation effects G02B 6/105</p> <p>Sub-wavelength diameter waveguides G02B 6/107</p> <p>Production or processing of single crystals C30B</p> <p>Optical analysis of materials by means of surface plasmons G01N 21/553</p> <p>Electric integrated circuits H01L 27/00</p> <p>Semiconductor devices sensitive to light H01L 31/00</p> <p>Semiconductor devices for light emission H01L 33/00</p>	<p>Surface plasmon devices not for light guiding G02B 5/008</p> <p>Planar waveguides for infra-red or ultra-violet radiation G02B 6/102</p> <p>Planar waveguide paths having polarisation effects G02B 6/105</p> <p>Sub-wavelength diameter waveguides G02B 6/107</p> <p>Optical analysis of materials by means of surface plasmons G01N21/553</p> <p>Semiconductor devices sensitive to light H01L31/00</p> <p>Semiconductor devices for light emission H01L33/00</p>
<p>G02B 6/12</p>	<p>Informative References</p>	<p>Coupling fibres and integrated optical circuits G02B 6/30</p>	<p><u>Insert</u> the following eight references in the existing Informative references table:</p> <p>Photonic crystals not for waveguiding G02B 1/005</p> <p>Surface plasmon devices not for light guiding G02B 5/008</p> <p>Planar waveguides for infra-red or ultra-violet radiation G02B 6/102</p> <p>Planar waveguide paths having polarisation effects G02B 6/105</p> <p>Sub-wavelength diameter waveguides G02B 6/107</p> <p>Optical analysis of materials by means of surface plasmons G01N 21/553</p>

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			<p>Semiconductor devices sensitive to light H01L 31/00</p> <p>Semiconductor devices for light emission H01L 33/00</p>
G02B 6/12	Special Rules	<p>Indexing Codes G02B2006/12085 - G02B2006/12092, G02B2006/12111 and G02B2006/12035 are inactive, i.e. they contain some documents but are not used for</p>	<p>Delete the following text:</p> <p>Indexing Codes G02B2006/12085 - G02B2006/12092, G02B2006/12111 and G02B2006/12035 are inactive, i.e. they contain some documents but are not used for</p> <p>Insert the following replacement text:</p> <p>Indexing Codes G02B2006/12085 - G02B2006/12092, G02B2006/12111 and G02B2006/12035 are inactive, i.e. they contain some documents but are not used for classification of new documents.</p>
G02B 6/24	Limiting References	<p>Coupling of light guides of the planar or plate like form for lighting devices or systems G02B 6/0011 Electric waveguides H01P 1/00</p>	<p>Delete the following reference from the Limiting references table:</p> <p>Coupling of light guides of the planar or plate like form for lighting devices or systems G02B 6/0011</p>
G02B 6/24			<p>Insert a new Informative references section with the following reference:</p> <p>Informative references <i>Attention is drawn to the following places, which may be of interest for search:</i></p>

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			Coupling of light guides of the planar or plate like form for lighting devices or systems G02B 6/0011
G02B 6/26	Limiting References	Coupling of light within planar waveguide substrates of the integrated circuit kind G02B 6/12 Coupling light guides with optoelectronic elements G02B 6/42	Delete the following reference from the Limiting references table: Coupling of light within planar waveguide substrates of the integrated circuit kind G02B 6/12 Insert the following new reference in the existing Limiting references table: Mechanical coupling means G02B 6/36
G02B 6/26	Informative References	Mechanical coupling means G02B 6/36 Scanning using movable fibres G02B 26/103 Systems for wavelength dispersion compensation H04B 10/2513 Systems for polarisation mode dispersion compensation H04B 10/2569 Systems for wavelength division multiplexing H04J 14/02 Optical switching systems H04Q 11/0001	Delete the following reference from the Informative references table: Mechanical coupling means G02B 6/36 Insert the following new reference in the existing Informative references table: Coupling of light within planar waveguide substrates of the integrated circuit kind G02B 6/12
G02B 6/36	Limiting References	Light guides formed by bundle of fibres, the relative position of the fibres being the same at both ends, e.g. for transporting images G02B6/06	Delete the following four references from the Limiting references table: Light guides formed by bundle of fibres, the relative position of the

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		<p>Splicing of light guides by fusion or bonding G02B6/255</p> <p>Optical coupling means for use between fibre and thin-film device G02B6/30</p> <p>Optical coupling means having switching means G02B6/35</p> <p>Optical coupling means having fibre to fibre mating means G02B6/38</p> <p>Coupling light guides with optoelectronic elements G02B6/42</p>	<p>fibres being the same at both ends, e.g. for transporting images G02B6/06</p> <p>Optical coupling means for use between fibre and thin-film device G02B6/30</p> <p>Optical coupling means having switching means G02B6/35</p> <p>Optical coupling means having fibre to fibre mating means G02B6/38</p>
G02B 6/36	Informative References	Cleaning of optical fibres and connectors B08B 1/00	<p><u>Insert</u> the following four references in the existing Informative references table:</p> <p>Light guides formed by bundle of fibres, the relative position of the fibres being the same at both ends, e.g. for transporting images G02B 6/06</p> <p>Optical coupling means for use between fibre and thin-film device G02B 6/30</p> <p>Optical coupling means having switching means G02B 6/35</p> <p>Optical coupling means having fibre to fibre mating means G02B 6/38</p>
G02B 6/42	Limiting References	<p>Semiconductor devices sensitive to light per se H01L31/00</p> <p>Semiconductor devices for light emission per se H01L33/00</p>	<p><u>Delete</u> the entire Limiting references section.</p>

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G02B 6/42	Informative References	<p>Beam shaping of a semiconductor light source G02B 27/0916</p> <p>Beam shaping using a light guide G02B 27/0994</p> <p>High frequency adaptations of semiconductor devices H01L 23/66</p> <p>Semiconductor light sources with optical field shaping elements H01L 33/58</p> <p>Electrical conduction aspects of semiconductor light sources H01L 33/62</p> <p>Arrangements for extracting light from an organic light source H01L 51/5262</p> <p>Optical interconnects H04B 10/801</p> <p>Printed circuit boards H05K 1/18</p> <p>Cooling, ventilating or heating electrical apparatus H05K 7/20</p>	<p><u>Insert</u> the following two references in the existing Informative references table:</p> <p>Semiconductor devices sensitive to light per se H01L 31/00</p> <p>Semiconductor devices for light emission per se H01L 33/00</p>
G02B 6/44	Informative References	<p>Cables incorporating electric conductors and optical fibres (where features relating to the optical fibres are not of interest)</p> <p>H01B 11/22</p>	<p><u>Delete</u> the entire Informative references section.</p>
G02B 6/44			<p><u>Insert</u> a new Limiting references section with the following reference:</p> <p>Limiting references</p> <p><i>This place does not cover:</i></p> <p>Cables incorporating electric conductors and optical fibres (where features relating to the optical fibres are not of interest)</p> <p>H01B 11/22</p>

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G02B 6/46			<p><u>Insert</u> a new Limiting references section with the following reference:</p> <p>Limiting references <i>This place does not cover:</i></p> <p>Installation of cables containing electric conductors and optical fibres H02G</p>
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NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.