

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 399

DATE: MAY 1, 2017

PROJECT RP0018

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

<u>Action*</u>	<u>Subclass</u>	<u>Group(s)</u>	
Symbols deleted:	A61B	2018/2085	
	A61B	2018/209	
	A61B	2018/2095	
Symbols newly created:	A61B	2018/2023	
	A61B	2018/20351	
	A61B	2018/20353	
	A61B	2018/20355	
	A61B	2018/20357	
	A61B	2018/20359	
	A61B	2018/20361	
	A61B	2018/20553	
	A61B	2018/20554	
	A61B	2018/205545	
	A61B	2018/205547	
	A61B	2018/2247	
	A61B	2018/2253	
	A61B	2018/2285	
	A61B	2018/22853	
	Title wording change:	A61B	18/201
A61B		2018/202	
A61B		2018/2035	
A61B		2018/204	
A61B		2018/2045	
A61B		18/22	
A61B		2018/2216	
A61B		2018/2227	
A61B		2018/2233	
A61B		2018/2238	
A61B		2018/225	
A61B		2018/2261	
A61B		2018/2272	
A61B		2018/2277	
A61B		2018/2283	
Scheme Warning Notices to be added:			
	A61B	2018/202	
	A61B	2018/2023	

CPC NOTICE OF CHANGES 399

DATE: MAY 1, 2017

PROJECT RP0018

<u>Action*</u>	<u>Subclass</u>	<u>Group(s)</u>
	A61B	2018/2035
	A61B	2018/20351
	A61B	2018/20353
	A61B	2018/20355
	A61B	2018/20361
	A61B	2018/20553
	A61B	2018/20554
	A61B	2018/205545
	A61B	2018/205547
	A61B	18/22
	A61B	2018/2247
	A61B	2018/225
	A61B	2018/2253
	A61B	2018/2255
	A61B	2018/2285
	A61B	2018/22853

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

This Notice of Changes includes the following:

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

CPC NOTICE OF CHANGES 399

DATE: MAY 1, 2017

PROJECT RP0018

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS A61B - DIAGNOSIS ; SURGERY ; IDENTIFICATION(analysing biological material G01N, e.g. G01N 33/48 ; obtaining records using waves other than optical waves, in general G03B 42/00)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
U	A61B 18/20	2	using laser	
U	A61B 2018/2005	3	{with beam delivery through an interstitially insertable device, e.g. needle}	
M	A61B 18/201	3	{with beam delivery through a hollow tube, e.g. forming an articulated arm (through a flexible conduit A61B 18/22); Hand-pieces therefor}	
U	A61B 2018/2015	3	{Miscellaneous features}	
C	A61B 2018/202	4	{Laser enclosed in a hand-piece}	A61B 2018/202, A61B 2018/2023
N	A61B 2018/2023	5	{Self-contained devices, i.e. with power supply in the hand-piece}	
U	A61B 2018/2025	4	{with a pilot laser}	
U	A61B18/203	3	{applying laser energy to the outside of the body}	
C	A61B 2018/2035	3	{Beam shaping or redirecting; Optical components therefor (A61B 2018/2255 takes precedence)}	A61B 2018/2035, A61B 2018/20361, A61B 2018/20553, A61B 2018/20554, A61B 2018/205545, A61B 2018/205547
Q	A61B 2018/20351	4	{Scanning mechanisms}	A61B 2018/20351, A61B 2018/20353, A61B 2018/20355
N	A61B 2018/20353	5	{Scanning in three dimensions [3D]}	
N	A61B 2018/20355	5	{Special scanning path or conditions, e.g. spiral, raster or providing spot overlap}	
N	A61B 2018/20357	5	{by movable optical fibre end}	
N	A61B 2018/20359	5	{by movable mirrors, e.g. galvanometric}	

CPC NOTICE OF CHANGES 399

DATE: MAY 1, 2017

PROJECT RP0018

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	A61B 2018/20361	4	{with redirecting based on sensed condition, e.g. tissue analysis or tissue movement}	
M	A61B 2018/204	4	{Attenuators}	
M	A61B 2018/2045	4	{Choppers}	
U	A61B 2018/205	5	{with electronic means, e.g. acousto-optic}	
U	A61B 2018/2055	5	{with mechanical means}	
N	A61B 2018/20553	4	{with special lens or reflector arrangement (A61B2018/2255, A61B2018/2261, A61B2018/2266, A61B2018/2272, A61B2018/2277, A61B2018/2283 take precedence)}	
N	A61B 2018/20554	4	{Arrangements for particular intensity distribution, e.g. tophat}	
N	A61B 2018/205545	4	{Arrangements for particular spot shape, e.g. square or annular}	
N	A61B 2018/205547	4	{Controller with specific architecture or programmatic algorithm for directing scan path, spot size or shape, or spot intensity, fluence or irradiance}	
U	A61B 2018/206	3	{the laser light passing along a liquid-filled conduit}	
U	A61B 2018/2065	3	{Multiwave; Wavelength mixing, e.g. using four or more wavelengths (pilot laser A61B 2018/2025)}	
U	A61B 2018/207	4	{mixing two wavelengths}	
U	A61B 2018/2075	4	{mixing three wavelengths}	
U	A61B 2018/208	3	{with multiple treatment beams not sharing a common path, e.g. non-axial or parallel}	
D	A61B 2018/2085	3		<Administrative transfer to A61B 2018/20351>
D	A61B 2018/209	4		<Administrative transfer to A61B 2018/20357>
D	A61B 2018/2095	4		<Administrative transfer to A61B 2018/20359>
C	A61B 18/22	3	the beam being directed along or through a flexible conduit, e.g. an optical fibre {; Couplings or} hand-pieces therefor	A61B 18/22, A61B 2018/2247
U	A61B 2018/2205	4	{Characteristics of fibres}	

CPC NOTICE OF CHANGES 399

DATE: MAY 1, 2017

PROJECT RP0018

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
U	A61B 2018/2211	5	{Plurality of fibres}	
M	A61B 2018/2216	6	{Braided or helically wound}	
U	A61B 2018/2222	5	{Fibre material or composition}	
M	A61B 2018/2227	6	{Hollow fibres}	
M	A61B 2018/2233	6	{Solid transparent for far infrared light}	
M	A61B 2018/2238	4	{with means for selectively laterally deflecting the tip of the fibre}	
U	A61B 2018/2244	4	{Features of optical fibre cables, e.g. claddings}	
N	A61B 2018/2247	4	{Fibre breakage detection}	
C	A61B 2018/225	4	{Features of hand-pieces (A61B 2018/2255 takes precedence)}	A61B 2018/225, A61B 2018/2253
N	A61B 2018/2253	5	{characterised by additional functions, e.g. surface cooling or detecting pathological tissue}	
C	A61B2018/2255	4	{Optical elements at the distal end of probe tips}	A61B2018/2255, A61B 2018/2285, A61B 2018/22853
M	A61B 2018/2261	5	{with scattering, diffusion or dispersion of light}	
U	A61B 2018/2266	5	{with a lens, e.g. ball tipped}	
M	A61B 2018/2272	5	{with reflective or refractive surfaces for deflecting the beam (A61B 2018/2261, A61B 2018/2266 take precedence) }	
M	A61B 2018/2277	6	{with refractive surfaces}	
M	A61B 2018/2283	6	{with pivotable mirrors}	
N	A61B 2018/2285	5	{with removable, replacable, or exchangeable tips}	
N	A61B 2018/22853	6	{Means to identify tip configuration}	
U	A61B 2018/2288	5	{the optical fibre cable having a curved distal end}	
U	A61B 2018/2294	5	{with a diffraction grating}	
U	A61B 18/24	4	with a catheter (A61B18/26, A61B18/28 take precedence)	
U	A61B 18/245	5	{for removing obstructions in blood vessels or calculi}	

CPC NOTICE OF CHANGES 399

DATE: MAY 1, 2017

PROJECT RP0018

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
U	A61B 18/26	4	for producing a shock wave, e.g. laser lithotripsy	
U	A61B 2018/263	5	{the conversion of laser energy into mechanical shockwaves taking place in a liquid}	
U	A61B 2018/266	5	{the conversion of laser energy into mechanical shockwaves taking place in a part of the probe}	
U	A61B 18/28	4	for heating a thermal probe or absorber	

*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; E= 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).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. 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 except “D” which requires only a symbol.
- #“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>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

CPC NOTICE OF CHANGES 399

DATE: MAY 1, 2017

PROJECT RP0018

B. New, Modified or Deleted Warning notice(s)

SUBCLASS A61B - DIAGNOSIS ; SURGERY ; IDENTIFICATION(analysing biological material G01N, e.g. G01N 33/48 ; obtaining records using waves other than optical waves, in general G03B 42/00)

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	A61B 2018/202		Group A61B 2018/202 is impacted by reclassification into group A61B 2018/2023. Groups A61B 2018/202 and A61B 2018/2023 should be considered in order to perform a complete search.
N	A61B 2018/2023		Group A61B 2018/2023 is incomplete pending reclassification of documents from group A61B 2018/202. Groups A61B 2018/202 and A61B 2018/2023 should be considered in order to perform a complete search.
N	A61B 2018/2035		Group A61B 2018/2035 is impacted by reclassification into groups A61B 2018/20361, A61B 2018/20553, A61B 2018/20554, A61B 2018/205545, and A61B 2018/205547. Groups A61B 2018/2035, A61B 2018/20361, A61B 2018/20553, A61B 2018/20554, A61B 2018/205545, and A61B 2018/205547 should be considered in order to perform a complete search.
N	A61B 2018/20351		Group A61B 2018/20351 is impacted by reclassification into groups A61B 2018/20353 and A61B2018/20355. Groups A61B 2018/20351, A61B 2018/20353 and A61B2018/20355 should be considered in order to perform a complete search.
N	A61B 2018/20353		Group A61B 2018/20353 is incomplete pending reclassification of documents from group A61B 2018/20351. Groups A61B 2018/20353 and A61B 2018/20351 should be considered in order to perform a complete search.
N	A61B 2018/20355		Group A61B 2018/20355 is incomplete pending reclassification of documents from group A61B 2018/20351. Groups A61B 2018/20355 and A61B 2018/20351 should be considered in order to perform a complete search

CPC NOTICE OF CHANGES 399

DATE: MAY 1, 2017

PROJECT RP0018

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	A61B 2018/20361		Group A61B 2018/20361 is incomplete pending reclassification of documents from group A61B 2018/2035. Groups A61B 2018/20361 and A61B 2018/2035 should be considered in order to perform a complete search
N	A61B 2018/20553		Group A61B 2018/20553 is incomplete pending reclassification of documents from group A61B 2018/2035. Groups A61B 2018/20553 and A61B 2018/2035 should be considered in order to perform a complete search
N	A61B 2018/20554		Group A61B 2018/20554 is incomplete pending reclassification of documents from group A61B 2018/2035. Groups A61B 2018/20554 and A61B 2018/2035 should be considered in order to perform a complete search
N	A61B 2018/205545		Group A61B 2018/205545 is incomplete pending reclassification of documents from group A61B 2018/2035. Groups A61B 2018/205545 and A61B 2018/2035 should be considered in order to perform a complete search
N	A61B 2018/205547		Group A61B 2018/205547 is incomplete pending reclassification of documents from group A61B 2018/2035. Groups A61B 2018/205547 and A61B 2018/2035 should be considered in order to perform a complete search
N	A61B 18/22		Group A61B 18/22 is impacted by reclassification into groups A61B 18/22 and A61B 2018/2247. Groups A61B 18/22 and A61B 2018/2247 should be considered in order to perform a complete search.
N	A61B 2018/2247		Group A61B 2018/2247 is incomplete pending reclassification of documents from group A61B 18/22. Groups A61B 18/22 and A61B 2018/2247 should be considered in order to perform a complete search.
N	A61B 2018/225		Group A61B 2018/225 is impacted by reclassification into group A61B 2018/2253. Groups A61B 2018/225 and A61B 2018/2253 should be

CPC NOTICE OF CHANGES 399

DATE: MAY 1, 2017

PROJECT RP0018

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			considered in order to perform a complete search.
N	A61B 2018/2253		Group A61B 2018/2253 is incomplete pending reclassification of documents from group A61B 2018/225. Groups A61B 2018/2253 and A61B 2018/225 should be considered in order to perform a complete search.
N	A61B2018/2255		Group A61B 2018/2255 is impacted by reclassification into groups A61B 2018/2285 and A61B 2018/22853. Groups A61B 2018/2255, A61B 2018/2285 and A61B2018/22853 should be considered in order to perform a complete search.
N	A61B 2018/2285		Group A61B 2018/2285 is incomplete pending reclassification of documents from group A61B 2018/2255. Groups A61B 2018/2285 and A61B 2018/2255 should be considered in order to perform a complete search.
N	A61B 2018/22853		Group A61B 2018/22853 is incomplete pending reclassification of documents from group A61B 2018/2255. Groups A61B 2018/22853 and A61B 2018/2255 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.

CPC NOTICE OF CHANGES 399

DATE: MAY 1, 2017

PROJECT RP0018

3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	A61B 2018/202	A61B 2018/202, A61B 2018/2023
C	A61B 2018/2035	A61B 2018/2035, A61B 2018/20361, A61B 2018/20553, A61B 2018/20554, A61B 2018/205545, A61B 2018/205547
Q	A61B2018/20351	A61B2018/20351, A61B2018/20353, A61B2018/20355
D	A61B 2018/2085	<Administrative transfer to A61B 2018/20351>
D	A61B 2018/209	<Administrative transfer to A61B 2018/20357>
D	A61B 2018/2095	<Administrative transfer to A61B 2018/20359>
C	A61B 18/22	A61B 18/22, A61B 2018/2247
C	A61B 2018/225	A61B 2018/225, A61B 2018/2253
C	A61B 2018/2255	A61B 2018/2255, A61B 2018/2285, A61B 2018/22853

* 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.

NOTES:

- Only C, D, and Q type entries are included in the table above.
- When multiple symbols are included in the “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>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

CPC NOTICE OF CHANGES 399

DATE: MAY 1, 2017

PROJECT RP0018

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
A61B 2018/2023	A61B18/20	NEW
A61B 2018/20351	A61B18/20	NEW
A61B 2018/20353	A61B18/20	NEW
A61B 2018/20355	A61B18/20	NEW
A61B 2018/20357	A61B18/20	NEW
A61B 2018/20359	A61B18/20	NEW
A61B 2018/20361	A61B18/20	NEW
A61B 2018/20553	A61B18/20	NEW
A61B 2018/20554	A61B18/20	NEW
A61B 2018/205545	A61B18/20	NEW
A61B 2018/205547	A61B18/20	NEW
A61B 2018/2085		DELETE
A61B 2018/209		DELETE
A61B 2018/2095		DELETE
A61B 2018/2247	A61B18/22	NEW
A61B 2018/2253	A61B18/22	NEW
A61B 2018/2285	A61B18/22	NEW
A61B 2018/22853	A61B18/22	NEW

*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 (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

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