

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 337

DATE: FEBRUARY 1, 2017

PROJECT MP0322

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

<u>Action*</u>	<u>Subclass</u>	<u>Group(s)</u>
Title wording change:	C30B	29/64
	G06F	21/00
	G06F	21/80
	G11B	5/012
	G11B	5/5521
	G11B	5/82
	G11B	7/24003
	G11B	7/24015
	G11B	7/24018
	G11B	7/24056
	G11B	7/24076
	G11B	7/24097
	G11B	23/505
	G11B	25/046
	H04N	5/781
	H04N	5/83
	Modified Definitions (no frozen (F) symbol definitions should deleted):	G06F
G06F		21/80
G11B		5/012
G11B		7/26
Scheme Notes to be modified:	G11B	7/24015
	G11B	7/24018

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

This Notice of Changes includes the following *[Check the ones included]:*

1. CLASSIFICATION SCHEME CHANGES
 - A. New, Modified or Deleted Group(s)
 - B. New, Modified or Deleted Warning Notice(s)
 - C. New, Modified or Deleted Note(s)
 - D. New, Modified or Deleted Guidance Heading(s)
2. DEFINITIONS (New or Modified)

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- A. DEFINITIONS (Full definition template)
- B. DEFINITIONS (Definitions Quick Fix)
- 3. REVISION CONCORDANCE LIST (RCL)
- 4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
- 5. CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. Modified Group(s)

SUBCLASS C30B - SINGLE-CRYSTAL-GROWTH (by using ultra-high pressure, e.g. for the formation of diamonds B01J 3/06); UNIDIRECTIONAL SOLIDIFICATION OF EUTECTIC MATERIAL OR UNIDIRECTIONAL DEMIXING OF EUTECTOID MATERIAL; REFINING BY ZONE-MELTING OF MATERIAL (zone-refining of metals or alloys C22B); PRODUCTION OF A HOMOGENEOUS POLYCRYSTALLINE MATERIAL WITH DEFINED STRUCTURE (casting of metals, casting of other substances by the same processes or devices B22D; working of plastics B29; modifying the physical structure of metals or alloys C21D, C22F); SINGLE CRYSTALS OR HOMOGENEOUS POLYCRYSTALLINE MATERIAL WITH DEFINED STRUCTURE; AFTER-TREATMENT OF SINGLE CRYSTALS OR A HOMOGENEOUS POLYCRYSTALLINE MATERIAL WITH DEFINED STRUCTURE (for producing semiconductor devices or parts thereof H01L); APPARATUS THEREFOR

<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>
M	C30B 29/64	2	Flat crystals, e.g. plates, strips or discs	

SUBCLASS G06F - ELECTRICAL DIGITAL DATA PROCESSING

<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>
M	G06F21/00		Security arrangements for protecting computers, components thereof, programs or data against unauthorised activity {(address-based protection against unauthorised use of memory G06F 12/14; record carriers for use with machines and with at least a part designed to carry digital markings G06K 19/00; preventing unauthorised reproduction or copying of disc-type recordable media G11B 20/00; secret or secure communication H04L 9/00; digital watermarking on images H04N 1/32; protection in video systems or pay television H04N 7/16)}	
M	G06F 21/80	3	in storage media based on magnetic or optical technology, e.g. disks with sectors (preventing unauthorised reproduction or copying of disc-type recordable media G11B 20/00)	

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SUBCLASS G11B - INFORMATION STORAGE BASED ON RELATIVE MOVEMENT BETWEEN RECORD CARRIER AND TRANSDUCER

<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>
M	G11B 5/012	1	Recording on, or reproducing or erasing from, magnetic disks (G11B 17/00, G11B 19/00 take precedence)	
M	G11B 5/5521	4	{across disk tracks (spiral track following G11B 5/596)}	
M	G11B 5/82	2	Disk carriers	
M	G11B 7/24003	2	Shapes of record carriers other than disc shape	
M	G11B 7/24015	2	Air-sandwiched discs	
M	G11B 7/24018	2	Laminated discs (G11B 7/24015 takes precedence)	
M	G11B 7/24056	3	Light transmission layers lying on the light entrance side and being thinner than the substrate, e.g. specially adapted for Blu-ray® discs	
M	G11B 7/24076	4	Cross sectional shape in the radial direction of a disc, e.g. asymmetrical cross sectional shape	
M	G11B 7/24097	2	Structures for detection, control, recording operation or replay operation; Special shapes or structures for centering or eccentricity prevention (within laminated discs G11B 7/24021); Arrangements for testing, inspecting or evaluating; Containers, cartridges or cassettes	
M	G11B 23/505	2	{of disk carriers}	
M	G11B 25/046	2	{using stationary discs, or cards provided with a circular recording area (driving heads relatively to stationary record carriers for mechanical transducing G11B 3/40; automatic feed mechanism producing a transducing traverse of the head across stationary disk tracks G11B 21/043)}	

SUBCLASS H04N - PICTORIAL COMMUNICATION, e.g. TELEVISION

<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>
M	H04N 5/781	3	on disks or drums	
M	H04N 5/83	4	on disks or drums	

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*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”.

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C. New, Modified or Deleted Note(s)

SUBCLASS G11B - INFORMATION STORAGE BASED ON RELATIVE MOVEMENT BETWEEN RECORD CARRIER AND TRANSDUCER ({producing carriers of sound records for needle playback B29C 39/00 } ; recording measured values in a way that does not require playback through a transducer G01D; photosensitive materials or processes for photographic purposes G03C; electrography, electrophotography, magnetography G03G; recording or playback apparatus using mechanically marked tape, e.g. punched paper tape, or using unit records, e.g. punched or magnetically marked cards, G06K; transferring data from one type of record carrier to another G06K 1/18; printing of data from record carriers G06K 3/00; arrangements for producing a permanent visual presentation of the output data G06K 15/00; arrangements or circuits for control of indicating devices using static means to present variable information G09G; coding, decoding or code conversion, in general H03M; circuits for coupling output of reproducer to radio receiver H04B 1/20; circuits {or arrangements } specially adapted for {pictorial or } television signal recording {H04N 1/21 } , H04N 5/76, H04N 9/79; loudspeakers, microphones, gramophone pick-ups or like acoustic electromechanical transducers or circuits therefor H04R)

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	G11B 7/24015	When classifying in this group, classification is also made in group G11B 7/2403 if the subject matter disclosed in the context of an air-sandwiched disk is of more general application	When classifying in this group, classification is also made in group G11B 7/2403 if the subject matter disclosed in the context of an air-sandwiched disc is of more general application
M	G11B 7/24018	When classifying in this group, classification is also made in group G11B 7/2403 if the subject matter disclosed in the context of a laminated disk is of more general application	When classifying in this group, classification is also made in group G11B 7/2403 if the subject matter disclosed in the context of a laminated disc is of more general application

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

NOTE: The “Location” column only requires the symbol PRIOR to the location of the note. No further directions such as “before” or “after” are required.

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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; Modified</u>
G06F21/00	Limiting references	Preventing unauthorised reproduction or copying of disk-type recordable media G11B20/00	Preventing unauthorised reproduction or copying of disc-type recordable media G11B20/00
G06F21/80	Informative references	Preventing unauthorized reproduction or copying of disk-type recordable media G11B20/00	Delete
G06F21/80	Limiting references		Preventing unauthorized reproduction of disc-type recordable media G11B20/00
G11B5/012	Definition statement	"...specific for magnetic recording discs"	"...specific for magnetic recording disks"
G11B7/26	Informative references	Reconditioning e.g. cleaning of disc carrier(including destroying CDs)	Reconditioning e.g. cleaning of disk carriers (including destroying CDs)

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.