

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 952

DATE: JANUARY 1, 2021

PROJECT RP0694

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:	G01N	27/9033
Symbols New:	G01N	27/623
Titles Changed:	G01N	SUBCLASS
	G01N	27/00, 27/02, 27/04, 27/16, 27/27, 27/327, 27/411, 27/416, 27/419, 27/44, 27/447, 27/48, 27/62, 27/622, 27/624, 27/626, 27/64, 27/76, 27/90, 27/9006, 27/9013, 27/904, 27/9073, 27/9093
Indents Changed:	G01N	27/9013, 27/902, 27/9026
Warnings New:	G01N	27/62, 27/622, 27/623
Notes Modified:	G01N	SUBCLASS
DEFINITIONS:		
Definitions New:	G01N	27/04, 27/27, 27/327, 27/416, 27/447, 27/622, 27/64, 27/76, 27/90, 27/9073, 27/9093
Definitions Modified:	G01N	SUBCLASS
	G01N	27/00

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)

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5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)**SUBCLASS G01N - INVESTIGATING OR ANALYSING MATERIALS**

<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>
M	G01N	SUBCLASS	INVESTIGATING OR ANALYSING MATERIALS BY DETERMINING THEIR CHEMICAL OR PHYSICAL PROPERTIES (measuring or testing processes other than immunoassay, involving enzymes or microorganisms C12M, C12Q)	
M	G01N 27/00	0	Investigating or analysing materials by the use of electric, electrochemical, or magnetic means (G01N 3/00 – G01N 25/00 take precedence; measurement or testing of electric or magnetic variables or of electric or magnetic properties of materials G01R)	
M	G01N 27/02	1	by investigating impedance	
M	G01N 27/04	2	by investigating resistance	
M	G01N 27/16	4	caused by burning or catalytic oxidation of surrounding material to be tested, e.g. of gas	
M	G01N 27/27	2	Association of two or more measuring systems or cells, each measuring a different parameter, where the measurement results may be either used independently, the systems or cells being physically associated, or combined to produce a value for a further parameter	
M	G01N 27/327	4	Biochemical electrodes {, e.g. electrical or mechanical details for <u>in vitro</u> measurements }	
M	G01N 27/411	4	for investigating or analysing of liquid metals	
M	G01N 27/416	2	Systems (G01N 27/27 takes precedence)	
M	G01N 27/419	4	Measuring voltages or currents with a combination of oxygen pumping cells and oxygen concentration cells	
M	G01N 27/44	4	using electrolysis to generate a reagent, e.g. for titration	

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	G01N 27/447	3	using electrophoresis	
M	G01N 27/48	3	using polarography, i.e. measuring changes in current under a slowly-varying voltage	
C	G01N 27/62	1	by investigating the ionisation of gases, e.g. aerosols; by investigating electric discharges, e.g. emission of cathode	G01N 27/62, G01N 27/623
C	G01N 27/622	2	Ion mobility spectrometry	G01N 27/622, G01N 27/623
N	G01N 27/623	3	combined with mass spectrometry	
M	G01N 27/624	3	Differential mobility spectrometry [DMS]; Field asymmetric-waveform ion mobility spectrometry [FAIMS]	
M	G01N 27/626	2	using heat to ionise a gas	
M	G01N 27/64	2	using wave or particle radiation to ionise a gas, e.g. in an ionisation chamber	
M	G01N 27/76	3	by investigating susceptibility	
M	G01N 27/90	3	using eddy currents	
T	G01N 27/9006	4	{Details, e.g. in the structure or functioning of sensors}	
M	G01N 27/9013	4	Arrangements for scanning	
M	G01N 27/902	5	{by moving the sensors}	
M	G01N 27/9026	5	{by moving the material}	
D	G01N 27/9033	5	{Sensors}	<administrative transfer to G01N 27/9006>
M	G01N 27/904	4	with two or more sensors	
M	G01N 27/9073	4	{Recording measured data}	
M	G01N 27/9093	4	Arrangements for supporting the sensor; Combinations of eddy-current sensors and auxiliary arrangements for marking or for rejecting	

*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.

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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 G01N - INVESTIGATING OR ANALYSING MATERIALS

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	G01N 27/62		2. Group G01N 27/62 is impacted by reclassification into group G01N 27/623. Groups G01N 27/62 and G01N 27/623 should be considered in order to perform a complete search.
N	G01N 27/622		Group G01N 27/622 is impacted by reclassification into group G01N 27/623. Groups G01N 27/622 and G01N 27/623 should be considered in order to perform a complete search.
N	G01N 27/623		Group G01N 27/623 is incomplete pending reclassification of documents from groups G01N 27/62 and G01N 27/622. Groups G01N 27/62, G01N 27/622, and G01N 27/623 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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C. New, Modified or Deleted Note(s)

SUBCLASS G01N - INVESTIGATING OR ANALYSING MATERIALS

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	G01N	<p>1. In this subclass, the following terms are used with the meanings indicated: – "investigating" means testing or determining; – "materials" includes solid, liquid or gaseous media, e.g. the atmosphere.</p> <p>2. Attention is drawn to the Notes following the title of class G01.</p> <p>3. Inventions relating to investigating the properties of materials, specially adapted for use in processes covered by subclass B23K, are classified in group B23K 31/12.</p>	<p>1. In this subclass, the following terms are used with the meanings indicated: – "investigating" means testing or determining; – "materials" includes solid, liquid or gaseous media, e.g. the atmosphere.</p> <p>2. Attention is drawn to the Notes following the title of class G01.</p> <p>3. Investigating the properties of materials, specially adapted for use in processes covered by subclass B23K, is classified in group B23K 31/12.</p>

*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. A. DEFINITIONS (new)**G01N 27/04****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

For measuring the amount of particles	G01N 15/0656
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G01N 27/27**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Gas sensor arrays	G01N 33/0031
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G01N 27/327**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Chemical and biological details	C12Q 1/00 , G01N 33/543
In vivo	A61B 5/00

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G01N 27/416**References****Limiting references***This place does not cover:*

Association of two or more measuring systems or cells, each measuring a different parameter, where the measurement results may be either used independently, the systems or cells being physically associated, or combined to produce a value for a further parameter	G01N 27/27
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Informative references*Attention is drawn to the following places, which may be of interest for search:*

For testing batteries	G01R 31/36
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G01N 27/447**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Aspects concerning peptides or proteins	C07K 1/26
For non-analytical purposes	B01D 57/02
Separating particles by dielectrophoresis	B03C 5/00

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G01N 27/622

References

Informative references

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

Mass spectrometry	H01J 49/26
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G01N 27/64

References

Informative references

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

Discharge tubes for measuring pressure of introduced gas or for detecting presence of gas	H01J 41/02
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G01N 27/76

References

Informative references

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

Measuring susceptibility	G01R 33/16
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G01N 27/90

References

Informative references

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

For measuring thickness	G01B 7/06
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G01N 27/9073

References

Informative references

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

Indicating or recording means for measuring in general	G01D
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G01N 27/9093

References

Informative references

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

Sorting individual articles or bulk material fit to be sorted piece-meal, controlled indirectly by devices which detect or measure some feature of the article or material to be sorted	B07C 5/00
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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>
G01N	Limiting references		<p><u>Delete</u> the following rows:</p> <p>Testing electrographic developer properties G03G 15/0848</p> <p>Controlling or regulating non-electrical variable G05D</p> <p>Measuring degree of ionization of ionized gases, i.e. plasma H05H 1/0006</p>
G01N	Informative references		<p><u>Insert</u> the following rows:</p> <p>Testing electrographic developer properties G03G 15/0848</p> <p>Controlling or regulating non-electrical variable G05D</p> <p>Measuring degree of ionization of ionized gases, i.e. plasma H05H 1/0006</p>
G01N 27/00	Application-oriented references		<p><u>Delete</u> the following row:</p> <p>Measuring or investigating electric or magnetic properties per se (see also Relationships between large subject matter areas, above) G01R</p>
G01N 27/00	Limiting references		<p><u>Insert</u> the following row:</p> <p>Measurement or testing of electric or magnetic variables or of electric or magnetic properties of materials G01R</p>

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- 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.

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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	G01N 27/62	G01N 27/62, G01N 27/623
C	G01N 27/622	G01N 27/622, G01N 27/623
D	G01N 27/9033	<administrative transfer to G01N 27/9006>

* 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>.
- 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>
G01N 27/622	G01N 27/622	UPDATE
G01N 27/623	G01N 27/623	NEW
G01N 27/624	G01N 27/624	UPDATE
G01N 27/626	G01N 27/626	UPDATE
G01N 27/628	G01N 27/626	UPDATE
G01N 27/9013	G01N 27/9013	UPDATE
G01N 27/902	G01N 27/9013	UPDATE
G01N 27/9026	G01N 27/9013	UPDATE
G01N 27/9033		DELETE
G01N 27/904	G01N 27/904	UPDATE
G01N 27/9093	G01N 27/9093	UPDATE

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