

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 868

DATE: MAY 1, 2020

PROJECT MP0430

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>SCHEME:</b>		
Titles Changed:	G01N	subclass
	G01N	1/02
	G01N	3/00, 3/06, 3/12, 3/32
	G01N	9/00
	G01N	15/02
	G01N	19/08
	G01N	21/07, 21/51, 21/53, 21/67
	G01N	24/00
	G01N	25/72
	G01N	27/06, 27/10, 27/26, 27/60, 27/92
	G01N	29/00
	G01N	30/00, 30/88
	G01N	31/00, 31/18
	G01N	33/58, 33/60
<b>DEFINITIONS:</b>		
Definitions New:	G01N	1/02, 3/06, 3/12, 3/32, 15/02, 19/08, 21/07, 21/51, 21/53, 21/67, 25/72, 27/06, 27/10, 27/26, 27/60, 27/92, 30/88, 31/18, 33/60
Definitions Modified:	G01N	subclass
	G01N	24/00, 29/00, 30/00, 31/00, 33/48, 33/58

**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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U.S. PATENT AND TRADEMARK OFFICE

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PROJECT MP0430

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

**SUBCLASS G01N- INVESTIGATING OR ANALYSING MATERIALS BY DETERMINING THEIR CHEMICAL OR PHYSICAL PROPERTIES**

<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 {; testing electrographic developer properties G03G15/0848; controlling or regulating non-electric variables G05D; measuring degree of ionisation of ionised gases, i.e. plasma H05H1/0006})	
M	G01N 1/02	1	Devices for withdrawing samples {(sampling of foundation soil E02D 1/04; collecting or conveying radioactive samples G01T 7/00, e.g. G01T 7/02, G01T 7/08)}	
M	G01N 3/00	0	Investigating strength properties of solid materials by application of mechanical stress	
M	G01N 3/06	2	Special adaptations of indicating or recording means	
M	G01N 3/12	3	Pressure testing	
M	G01N 3/32	1	by applying repeated or pulsating forces	
M	G01N 9/00	0	Investigating density or specific gravity of materials; Analysing materials by determining density or specific gravity	
M	G01N 15/02	1	Investigating particle size or size distribution (G01N 15/04, G01N 15/10 take precedence; by measuring osmotic pressure G01N 7/10)	
M	G01N 19/08	1	Detecting presence of flaws or irregularities	
M	G01N 21/07	3	Centrifugal type cuvettes (G01N 21/09 takes precedence)	
M	G01N 21/51	4	inside a container, e.g. in an ampoule (G01N 21/53 takes precedence)	
M	G01N 21/53	4	within a flowing fluid, e.g. smoke	
M	G01N 21/67	3	using electric arcs or discharges	
M	G01N 24/00	0	Investigating or analyzing materials by the use of nuclear magnetic resonance, electron paramagnetic resonance or other spin effects	

## CPC NOTICE OF CHANGES 868

DATE: MAY 1, 2020

PROJECT MP0430

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>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 25/72	1	Investigating presence of flaws	
M	G01N 27/06	3	of a liquid (involving electrolysis G01N 27/26)	
M	G01N 27/10	5	Investigation or analysis specially adapted for controlling or monitoring operations or for signalling	
M	G01N 27/26	1	by investigating electrochemical variables; by using electrolysis or electrophoresis	
M	G01N 27/60	1	by investigating electrostatic variables {, e.g. electrographic flaw testing (G01N 27/007 takes precedence)}	
M	G01N 27/92	1	by investigating breakdown voltage (G01N 27/60, G01N 27/62 take precedence)	
M	G01N 29/00	0	Investigating or analysing materials by the use of ultrasonic, sonic or infrasonic waves; Visualisation of the interior of objects by transmitting ultrasonic or sonic waves through the object (G01N 3/00, G01N 5/00, G01N 7/00, G01N 9/00, G01N 11/00, G01N 13/00, G01N 15/00, G01N 17/00, G01N 19/00, G01N 21/00, G01N 22/00, G01N 23/00, G01N 24/00, G01N 25/00, G01N 27/00 take precedence)	
M	G01N 30/00	0	Investigating or analysing materials by separation into components using adsorption, absorption or similar phenomena or using ion-exchange, e.g. chromatography { or field flow fractionation} (G01N 3/00, G01N 5/00, G01N 7/00, G01N 9/00, G01N 11/00, G01N 13/00, G01N 15/00, G01N 17/00, G01N 19/00, G01N 21/00, G01N 22/00, G01N 23/00, G01N 24/00, G01N 25/00, G01N 27/00, G01N 29/00 take precedence)	
M	G01N 30/88	2	Integrated analysis systems specially adapted therefor, not covered by a single one of the groups G01N30/04 - G01N30/86	
M	G01N 31/00	0	Investigating or analysing non-biological materials by the use of the chemical methods specified in the subgroup; Apparatus specially adapted for such methods	
M	G01N 31/18	2	Burettes specially adapted for titration	
U	G01N 33/48	1	Biological material, e.g. blood, urine (G01N 33/02, G01N 33/26, G01N 33/44, G01N 33/46 take precedence); Haemocytometers (counting blood corpuscles distributed over a surface by scanning the surface G06M 11/02)	

## CPC NOTICE OF CHANGES 868

DATE: MAY 1, 2020

PROJECT MP0430

<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 33/58	3	involving labelled substances (G01N 33/53 takes precedence)	
M	G01N 33/60	4	involving radioactive labelled substances	

\*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.
- 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.

DATE: MAY 1, 2020

PROJECT MP0430

## 2. A. DEFINITIONS (New)

Insert: The following new definitions.

### G01N 1/02

#### References

##### *Limiting references*

*This place does not cover:*

Sampling of foundation soil	E02D 1/04
Details of radiation-measuring instruments	G01T 7/00
Collecting means for receiving or storing samples to be investigated	G01T 7/02
Means for conveying samples received	G01T 7/08

##### *Application-oriented references*

*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

For medical or veterinary purpose	A61
Diagnosis; Surgery; Identification	A61B
Veterinary instruments, implements, tools, or methods	A61D

### G01N 3/06

#### 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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DATE: MAY 1, 2020

PROJECT MP0430

**G01N 3/12****References****Informative references**

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

Testing fluid tightness	G01M 3/00
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**G01N 3/32****References****Informative references**

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

Generation of such forces in solid	B06B
Generating mechanical vibrations in fluids	G10K

**G01N 15/02****References****Limiting references**

*This place does not cover:*

Measuring osmotic pressure	G01N 7/10
Investigating sedimentation of particle suspensions	G01N 15/04
Investigating individual particles	G01N 15/10

**Application-oriented references**

*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

By filtering	B01D
By shifting	B07B

DATE: MAY 1, 2020

PROJECT MP0430

**G01N 19/08**

**References**

**Informative references**

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

Measuring roughness or irregularity of surfaces	<a href="#">G01B 5/28</a>
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**G01N 21/07**

**References**

**Limiting references**

*This place does not cover:*

Resist hostile environments or corrosive or abrasive materials	<a href="#">G01N 21/09</a>
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**Informative references**

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

Centrifuges per se	<a href="#">B04B</a>
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**G01N 21/51**

**References**

**Limiting references**

*This place does not cover:*

Within a flowing fluid, e.g. smoke	<a href="#">G01N 21/53</a>
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**Informative references**

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

Checking containers for cleanliness	<a href="#">B08B 9/46</a>
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DATE: MAY 1, 2020

PROJECT MP0430

**G01N 21/53****References*****Informative references***

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

Alarm devices actuated by smoke	<a href="#">G08B 17/10</a>
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**G01N 21/67****References*****Informative references***

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

Spark gaps	<a href="#">H01T</a>
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**G01N 25/72****References*****Informative references***

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

By investigating thermal conductivity	<a href="#">G01N 25/18</a>
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**G01N 27/06****References*****Limiting references***

*This place does not cover:*

By investigating electrochemical variables; by using electrolysis or electrophoresis	<a href="#">G01N 27/26</a>
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DATE: MAY 1, 2020

PROJECT MP0430

**Application-oriented references**

*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

Measuring electric resistance of fluids	<a href="#">G01N 27/22</a>
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**Informative references**

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

Involving polarography	<a href="#">G01N 27/48</a>
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**G01N 27/10****References****Informative references**

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

System for controlling or regulating no-electric variables	<a href="#">G05D</a>
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**G01N 27/26****References****Application-oriented references**

*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

Investigating resistance to corrosion	<a href="#">G01N 17/00</a>
Immunoelectrophoresis	<a href="#">G01N 33/561</a>

**Informative references**

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

Electrochemical processes or apparatus	<a href="#">B01J</a>
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DATE: MAY 1, 2020

PROJECT MP0430

Investigating or analysing materials by separation into components using adsorption, absorption or similar phenomena or using ion-exchange, e.g. chromatography	G01N 30/00
Standard cells	H01M 6/28

**G01N 27/60****References****Limiting references***This place does not cover:*

By investigating the electric dipolar moment	G01N 27/007
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**Informative references***Attention is drawn to the following places, which may be of interest for search:*

By investigating capacitance	G01N 27/22
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**G01N 27/92****References****Limiting references***This place does not cover:*

By investigating electrostatic variables, e.g. electrographic flaw testing	G01N 27/60
By investigating the ionisation of gases; by investigating electric discharges, e.g. emission of cathode	G01N 27/62

**Application-oriented references***Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

Testing of articles or specimens of solids or fluids for dielectric strength or breakdown voltage	G01R 31/12
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CPC NOTICE OF CHANGES 868

DATE: MAY 1, 2020

PROJECT MP0430

**G01N 30/88**

**Reference**

***Informative references***

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

Signal analysis systems in general	G06F, G06G, G06T
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**G01N 31/18**

**Reference**

***Informative references***

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

Burettes in general	B01L 3/02
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DATE: MAY 1, 2020

PROJECT MP0430

## 2. A. DEFINITIONS (Modified)

Insert: The following new modifications.

### G01N

Insert: The following new Limiting references section and table rows.

#### References

##### *Limiting references*

*This place does not cover:*

Apparatus for enzymology or microbiology	C12M
Measuring or testing processes, other than immunoassay (which is covered by G01N 33/53)	C12Q
Controlling or regulating non-electrical variable	G05D
Testing electrographic developer properties	G03G 15/0848
Measuring degree of ionisation of ionised gases, i.e. plasma	H05H 1/0006

##### *Application-oriented references*

*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

Delete: The following rows from the Application-oriented references table.

Apparatus for enzymology or microbiology	C12M
Measuring or testing processes, other than immunoassay (which is covered by G01N33/53), involving enzymes or microorganisms	C12Q

DATE: MAY 1, 2020

PROJECT MP0430

***Informative references***

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

Insert: The following row into the Informative references table.

Systems for direction-finding, navigation, locating, presence-detecting using the reflection or reradiation of radio waves, or analogous arrangements using other waves, e.g. radar, sonar, or lidar systems	G01S
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**G01N 24/00**

**References**

***Limiting references***

Delete: The entire Limiting references table and section.

***Informative references***

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

Insert: The following rows into the Informative references table.

Magnetic resonance gyrometers	G01C 19/00
Omegatrons using ion cyclotron resonance	H01J 49/38
Arrangements or instruments for measuring magnetic variables involving magnetic resonance	G01R 33/20

DATE: MAY 1, 2020

PROJECT MP0430

**G01N 29/00**

**References**

***Limiting references***

Delete: The following row from the Limiting references table.

Thickness measurement by ultrasonic waves	G01B 17/02
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**G01N 30/00**

**References**

***Informative references***

Insert: The following new row into the Informative references table.

For preparation or production of components	B01D 21/00, B01D 45/00
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**G01N 31/00**

**References**

***Application-oriented references***

Delete: The following row from the Application-oriented references table.

Measuring or testing processes, other than immunoassay	C12Q
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***Informative references***

Insert: The following new row into the Informative references table.

Measuring or testing processes, other than immunoassay	C12Q 1/00
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DATE: MAY 1, 2020

PROJECT MP0430

**G01N 33/48**

Insert: The following new Application-oriented references section and table rows.

**References*****Application-oriented references***

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Determining the germinating capacity of seeds	<a href="#">A01C 1/02</a>
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**G01N 33/58****References*****Limiting references***

*This place does not cover:*

Delete: The following row from the Limiting references table.

Production of labelled immunochemicals	<a href="#">G01N 33/532</a>
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Insert: The following new row into the Limiting references table.

Immunoassay; Biospecific binding assay; Materials therefor	<a href="#">G01N 33/53</a>
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Insert: The following new Application-oriented references section and table rows.

**References*****Application-oriented references***

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

For testing in vivo	<a href="#">A61K 49/00</a>
Preparations containing radioactive substances for use in therapy or testing in vivo	<a href="#">A61K 51/00</a>

**G01N 33/60**

Insert: The following new Informative references section and table rows.

**References**

***Informative references***

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

As tracers	<a href="#">G21H 5/02</a>
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