

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1403

DATE: FEBRUARY 1, 2023

PROJECT MP11763

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Titles Changed:	B03B	Subclass
	B03B	1/00
	B03B	4/00, 4/04
	B03B	5/32, 5/36, 5/48, 5/60, 5/68
	B03B	11/00
	B03B	13/00, 13/005
Warnings Deleted:	B03B	Subclass
DEFINITIONS:		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)		
Definitions New:	B03B	4/04
	B03B	5/36, 5/48, 5/60, 5/68
Definitions Modified:	B03B	Subclass
	B03B	5/00, 5/32
	B03B	7/00
	B03B	11/00
	B03B	13/00

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)

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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)

SUBCLASS B03B - SEPARATING SOLID MATERIALS USING LIQUIDS OR USING PNEUMATIC TABLES OR JIGS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred</u> <u>to[#]</u>
M	B03B	Subclass	SEPARATING SOLID MATERIALS USING LIQUIDS OR USING PNEUMATIC TABLES OR JIGS	
M	B03B1/00	0	Conditioning for facilitating separation by altering physical properties of the matter to be treated	
M	B03B4/00	0	Separating by pneumatic tables or by pneumatic jigs	
M	B03B4/04	1	using rotary tables or tables formed by travelling belts	
M	B03B5/32	3	using centrifugal force	
M	B03B5/36	3	Devices therefor, other than using centrifugal force	
M	B03B5/48	1	by mechanical classifiers	
M	B03B5/60	1	by non-mechanical classifiers, e.g. slime tanks (hydraulic classifiers B03B 5/62; water impulse classifiers B03B 5/68)	
M	B03B5/68	1	by water impulse (hydraulic classifiers B03B5/62)	
M	B03B11/00	0	Feed or discharge devices integral with washing or wet-separating equipment	
M	B03B13/00	0	Control arrangements specially adapted for wet-separating apparatus or for dressing plant, using physical effects	
M	B03B13/005	1	{Methods or arrangements for controlling the physical properties of heavy media, e.g. density, concentration or viscosity}	

*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).

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- 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 finalization 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 notice(s)

SUBCLASS B03B - SEPARATING SOLID MATERIALS USING LIQUIDS OR USING PNEUMATIC TABLES OR JIGS

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning</u>
D	B03B	In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.	<u>Delete</u> the entire Warning.

*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.

2. B. DEFINITIONS (new)

Insert: The following new Definitions.

B03B 4/04

References

Informative references

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

Separating solids from solids using gas currents and revolving drums	B07B 4/06
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B03B 5/36

References

Informative references

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

Jigs	B03B 5/10
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B03B 5/48

References

Informative references

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

Sink-float separation aspects	B03B 5/28
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B03B 5/60

References

Limiting references

This place does not cover:

Hydraulic classifiers	B03B 5/62
Water impulse classifiers	B03B 5/68

Informative references

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

Using shaken, pulsated or stirred beds as the principal means of separation	B03B 5/02
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B03B 5/68

References

Limiting references

This place does not cover:

Hydraulic classifiers	B03B 5/62
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Informative references

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

Shaking tables	B03B 5/04
Jigs	B03B 5/10

2. A. DEFINITIONS (modified)

B03B

Definition statement

Replace: The existing Definition statement text with the following revised text:

Apparatus for separating or classifying or washing granular powdered or lumpy solid materials of different physical properties such as size, shape or specific gravity.

Relationships with other classification places

Replace: The first and third paragraphs of the existing Relationships text so that the entire text reads as follows:

Separation of isotopes of the same chemical element is covered by [B01D59/00](#) regardless of the process or apparatus that is used.

Crushing or disintegrating is covered by [B02C](#).

Centrifuges or vortex apparatus for carrying out physical processes are covered by [B04B](#) and [B04C](#).

References

Informative references

Insert: The following five new rows into the Informative references table:

Magnetic or electrostatic separation of solid materials from solid materials or fluids, separation by high voltage electric fields	B03C
Flotation or differential sedimentation	B03D
Separating by dry methods	B07
Screening or sifting	B07B

Separating by picking	B07C
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B03B 5/00

Definition statement

Replace: The first sentence of the Definition statement text so that the entire text reads as follows:

Washing in order to separate fine particles, especially organic particles from coarse particles. Apparatus for classifying solids by wet methods.

References

Limiting references

Replace: The existing Limiting references table with the following new table:

Separating by pneumatic tables or by pneumatic jigs	B03B 4/00
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Informative references

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

Flotation	B03D
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B03B 5/32

Definition statement

Delete: The following sentence from the Definition statement:

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(Documents with special technical features relating to a centrifuge are additionally classified in B04B, documents with special technical features relating to a hydrocyclone are additionally classified in B04C).

Insert: The following new Relationships section:

Relationships with other classification places

Documents with special technical features relating to a centrifuge are additionally classified in **B04B**. Documents with special technical features relating to a hydrocyclone are additionally classified in **B04C**.

B03B 7/00

References

Delete: The entire Limiting references section.

Informative references

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

Combinations of wet solid separating processes comprising a specific separating process	B03B 9/005 - B03B 9/065
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B03B 11/00

Definition statement

Replace: The word “kind” with “kinds” so that the text reads as follows:

All kinds of feeding and discharging arrangements, like rotary feeder, scraper, screw or lifting wheel discharger for washing or wet separating apparatus.

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Insert: The following new References/Informative references section:

References

Informative references

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

Filling or emptying devices per se	B65G 65/30
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B03B 13/00

Definition statement

Replace: The Definition statement text with the following revised text:

Control arrangements adapted for flotation plants as classified in [B03D](#).