

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1556

DATE: JANUARY 1, 2024

PROJECT MP12067

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:	B09B	SUBCLASS 3/70
Notes Modified:	B09B	SUBCLASS
<b>DEFINITIONS:</b>		
Definitions Deleted:	B09B	3/30, 3/35
Definitions Modified:	B09B	SUBCLASS 3/40, 3/60

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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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

**SUBCLASS B09B - DISPOSAL OF SOLID WASTE**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
M	B09B		DISPOSAL OF SOLID WASTE NOT OTHERWISE PROVIDED FOR	
M	B09B 3/70	1	Chemical treatment, e.g. pH adjustment or oxidation (involving an extraction step B09B 3/80)	

\*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.

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C. New, Modified or Deleted Note(s)

**SUBCLASS B09B - DISPOSAL OF SOLID WASTE**

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	B09B	<p>1. This subclass <u>covers</u> only single or combined, e.g. multistage, operations not fully classifiable in a single other subclass</p> <p>2. In this subclass the following terms or expressions are added with the meanings indicated:</p> <ul style="list-style-type: none"> <li>• "disposal" means the discarding, e.g. dumping, or destroying of waste or its transformation into something useful or harmless;</li> <li>• "solid waste" includes waste which, although it has liquid content, is for practical purposes handled as solid</li> </ul> <p>3. Attention is drawn to the following places:</p> <p>A23J 1/16                      Obtaining proteins from waste water of starch manufacturing plants of like wastes</p> <p>A23K 10/26, A23K 10/37      Animal feeding-stuffs from waste products of animal origin or of plant origin</p> <p>A23K 10/38                      Animal feeding-stuffs from distillers' or brewers' waste</p> <p>A23K 10/28                      Animal feeding-stuffs from waste dairy products</p> <p>A23K 10/20                      Animal feeding-stuffs from kitchen waste</p> <p>A43B 1/12                        Footwear made of rubber waste</p> <p>A61L 11/00                        Disinfection or sterilisation</p>	<p>1. This subclass <u>covers</u> only single or combined operations, e.g. multistage operations, not fully classifiable in a single other subclass.</p> <p>2. In this subclass, the following terms or expressions are used with the meanings indicated:</p> <ul style="list-style-type: none"> <li>• "disposal" means the discarding, e.g. dumping, or destroying of waste or its transformation into something useful or harmless;</li> <li>• "solid waste" includes waste which, although it has liquid content, is for practical purposes handled as solid.</li> </ul> <p>3. In this subclass, it is desirable to add the indexing codes of group {B09B 2101/00}.</p>

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		<p>A62D 3/00</p> <p>B01D 53/34</p> <p>{B02C 18/0084}</p> <p>B03B 7/00</p> <p>B03B 9/06</p> <p>B05B 12/16, B05B 14/00</p> <p>B08B 15/00</p> <p>B22F 8/00</p>	<p>methods specially adapted for refuse</p> <p>Chemical means for combatting harmful chemical agents; processes for making harmful chemical agents harmless</p> <p>Chemical purification of smoke or fumes, e.g. flue gas</p> <p>Disintegrating by knives or other cutting or tearing members, which chop material into fragments, specially adapted for disintegrating garbage, waste or sewage</p> <p>Combinations of wet processes or apparatus with other processes or apparatus, e.g. for dressing ores or garbage</p> <p>General arrangement of separating plant, e.g. flow sheets, specially adapted for refuse</p> <p>Control of spray area of spraying plant, e.g. masking, side shields; Means for collection or re-use of excess material</p> <p>Prevent escape of dirt or fumes from the area where they are produced; Collecting or removing dirt or fumes from that area</p> <p>Manufacture of articles from scrap</p>	
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		B23D 25/14	or waste metal particles Machines or arrangements for shearing stock while the latter is travelling otherwise than in the direction of the cut without regard to the exact dimensions of the resulting material, e.g. for cutting up scrap	
		B24B 55/12	Devices for recovering materials from grinding or polishing	
		B27B 33/20	Edge trimming saw blades or tools combined with means to disintegrate waste	
		B29B 17/00	Recovery of plastics or other constituents of waste material containing plastics	
		B30B 9/32	Presses for consolidating scrap metal or for compacting used cars	
		B62D 67/00	Systematic disassembly of vehicles for recovery of salvageable components, e.g. for recycling	
		B63B 17/06	Refuse discharge from vessels, e.g. for ash	
		{B63J 4/006}	Arrangements of installation for treating waste water or sewage on vessels	
		B63J 4/00	Arrangements of installations for treating waste	

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		<p>B65F 1/00</p> <p>B65F 3/00</p> <p>B65F 5/00</p> <p>B65F 7/00</p> <p>C03C 1/00</p> <p>C04B 7/24</p> <p>C04B 11/26</p> <p>C04B 18/04</p> <p>{C04B 22/0006}</p> <p>{C04B 24/001}</p> <p>C04B 33/132</p>	<p>water or sewage on vessels</p> <p>Refuse receptacles</p> <p>Vehicles particularly adapted for collecting refuse</p> <p>Gathering or removal of refuse otherwise than by receptacles or vehicles</p> <p>Cleaning or disinfecting devices combined with refuse receptacles or refuse vehicles</p> <p>Ingredients generally applicable to manufacture of glasses, glazes or vitreous enamels</p> <p>Hydraulic cements from oil shales, residues or waste other than slag</p> <p>Calcium sulfate cements from phosphogypsum or from waste, e.g. purification products of smoke</p> <p>Waste materials or refuse used as fillers for mortars, concrete, artificial stone or the like</p> <p>Waste inorganic materials used as active ingredients for mortars, concrete, artificial stone or the like</p> <p>Waste organic materials used as active ingredients for mortars, concrete, artificial stone or the like</p> <p>Waste materials or refuse used as</p>	
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			compounding for clay-wares	
		C05F9/00	Fertilisers made from household or town refuse	
		C08B 16/00	Regeneration of cellulose	
		C08J 11/00	Recovery of waste materials of macromolecular substances	
		C08L 17/00	Compositions of reclaimed rubber	
		C09K 11/01	Recovery of luminescent materials	
		C10B 53/00	Destructive distillation, specially adapted for particular solid raw materials or solid raw materials in special form	
		C10B 57/00	Other processes not covered before; Features of destructive distillation processes in general	
		C10G 1/10	Production of liquid hydrocarbon mixtures from rubber or rubber waste	
		C10L 5/46	Solid fuels essentially based on sewage, house or town refuse	
		C10L 5/48	Solid fuels essentially based on industrial residues and waste materials	
		C10M 175/02	Working-up used lubricants based on mineral oils	
		C11B 13/00	Recovery of fats, fatty oils, or fatty acids from waste materials	
		C11D 19/00	Recovery of glycerol from a	

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			<p>saponification liquor</p> <p>C12F 3/00 Recovery of by-products</p> <p>C12F 3/08 Recovery of alcohol from press residues or other waste material</p> <p>C12P 7/08 Biochemical production of ethanol from waste</p> <p>C22B 7/00 Working-up raw materials other than ores, e.g. scrap, to produce non-ferrous metals or compounds thereof</p> <p>C22B 19/28 Obtaining zinc or zinc oxide from muffle furnace residues</p> <p>C22B 19/30 Obtaining zinc or zinc oxide from metallic residues or scrap</p> <p>C22B 25/06 Obtaining tin from scrap</p> <p>C25D 13/24 Regeneration of process liquids used in electrophoretic coatings</p> <p>C25D 21/16 Regeneration of process solutions used in electrolytic coating</p> <p>D01B Mechanical treatment of natural fibrous or filamentary material to obtain fibres or filaments, e.g. for spinning</p> <p>D01C 5/00 Carbonising rags to recover animal fibres</p> <p>D01F 13/00 Recovery of starting material, waste material or solvents during the manufacture of artificial filaments or the like</p>	
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		D01G 11/00	Disintegrating fibre-containing articles to obtain fibres for re-use	
		D01H 11/00	Arrangements for confining or removing dust, fly, or the like	
		D06L 1/10	Regeneration of used chemical baths used for dry-cleaning or washing fibres, fabrics or the like	
		D21B 1/08	Dry treatment of waste paper or rags for making paper or for the production of cellulose	
		D21B 1/32	Defibrating waste paper	
		D21C 5/02	Processes for obtaining cellulose by working-up waste paper	
		D21C 11/14	Regeneration of pulp liquors by wet combustion	
		D21F 1/66	Re-use of pulp-water in wet end machines for making continuous webs of paper	
		D21H 17/01	Waste products added to the pulp or used in paper-impregnating material	
		E03F	Sewers, Cesspools	
		E04F 17/10	Arrangements in building for the disposal of refuse	
		F23B 5/00	Combustion apparatus arrangements for burning uncombusted material from primary combustion	
		F23G	Consuming waste products by combustion	

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		F23J	Removal or treatment of combustion products or combustion residues	
		G03C 11/24	Removing emulsion from waste photographic material	
		G03G 21/10	Collecting or recycling waste developer used in electrography, electrophotography, magnetography	
		G21F 9/28	Treating radioactively contaminated solids	
		H01B 15/00	Apparatus or processes for salvaging material from electric cables	
		H01J 9/52	Recovery of material from discharge tubes or lamps	
		H01M 6/52	Reclaiming serviceable parts of waste cells or batteries	
		H01M 10/54	Reclaiming serviceable parts of waste accumulators	
		4.	In this subclass, it is desirable to add the indexing codes of group B09B 2101/00.	

\*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.

## 2. A. DEFINITIONS (modified)

### B09B

#### Definition statement

Replace: The existing Definition statement text with the following new text.

The disposal of solid waste involving single or combined operations, comprising features related to the disposal of solid waste. Such features must encompass the combination with:

- (a) additional steps specific for waste disposal; or
- (b) other aspects of the operation specific for waste disposal that are not fully classifiable in a single other subclass.

Insert: The following new Relationships with other classification places section.

#### Relationships with other classification places

Features in relation to the disposal of solid waste but specific to an operation provided for in a single other subclass, which relate to a requirement or problem of a nature particular to the operation, are not covered by this subclass unless the method of operation is not provided for elsewhere.

#### References

Insert: The following new References out of a residual place section.

#### References out of a residual place

*Examples of places in relation to which this place is residual:*

Obtaining proteins from waste water of starch manufacturing plants of like wastes	A23J 1/16
Animal feeding-stuffs from kitchen waste	A23K 10/20
Animal feeding-stuffs from waste material	A23K 10/26, A23K 10/37

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Animal feeding-stuffs from waste dairy products	<a href="#">A23K 10/28</a>
Animal feeding-stuffs from distillers' or brewers' waste	<a href="#">A23K 10/38</a>
Footwear made of rubber waste	<a href="#">A43B 1/12</a>
Disinfection or sterilisation methods specially adapted for refuse	<a href="#">A61L 11/00</a>
Processes for making harmful chemical substances harmless, or less harmful, by effecting a chemical change in the substances	<a href="#">A62D 3/00</a>
Chemical or biological purification of waste gases	<a href="#">B01D 53/34</a>
Crushing, pulverising or disintegrating in general; Milling grain	<a href="#">B02C</a>
Disintegrating by knives or other cutting or tearing members, which chop material into fragments	<a href="#">B02C 18/00</a>
Disintegrating by knives or other cutting or tearing members, which chop material into fragments, specially adapted for disintegrating garbage, waste or sewage	<a href="#">B02C 18/0084</a>
Combinations of wet processes or apparatus with other processes or apparatus, e.g. for dressing ores or garbage	<a href="#">B03B 7/00</a>
General arrangement of separating plant, e.g. flow sheets, specially adapted for refuse	<a href="#">B03B 9/06</a>
Control of spray area of spraying plant, e.g. masking or side shields; Means for collection or re-use of excess material	<a href="#">B05B 12/16</a> , <a href="#">B05B 14/00</a>
Prevent escape of dirt or fumes from the area where they are produced; Collecting or removing dirt or fumes from that area	<a href="#">B08B 15/00</a>
Manufacture of articles from scrap or waste metal particles	<a href="#">B22F 8/00</a>
Machines or arrangements for shearing stock while the latter is travelling otherwise than in the direction of the cut without regard to the exact dimensions of the resulting material, e.g. for cutting up scrap	<a href="#">B23D 25/14</a>
Devices for recovering materials resulting from grinding or polishing	<a href="#">B24B 55/12</a>

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Edge trimming saw blades or tools combined with means to disintegrate waste	B27B 33/20
Recovery of plastics or other constituents of waste material containing plastics	B29B 17/00
Presses for consolidating scrap metal or for compacting used cars	B30B 9/32
Systematic disassembly of vehicles for recovery of salvageable components, e.g. for recycling	B62D 67/00
Refuse discharge from vessels, e.g. for ash	B63B 17/06
Arrangements of installation for treating waste water or sewage on vessels	B63J 4/006
Refuse receptacles	B65F 1/00
Vehicles particularly adapted for collecting refuse	B65F 3/00
Gathering or removal of refuse otherwise than by receptacles or vehicles	B65F 5/00
Cleaning or disinfecting devices combined with refuse receptacles or refuse vehicles	B65F 7/00
Ingredients generally applicable to manufacture of glasses, glazes or vitreous enamels	C03C 1/00
Hydraulic cements from oil shales, residues or waste other than slag	C04B 7/24
Calcium sulfate cements from phosphogypsum or from waste, e.g. purification products of smoke	C04B 11/26
Waste materials or refuse used as fillers for mortars, concrete, artificial stone or the like	C04B 18/04
Waste inorganic materials used as active ingredients for mortars, concrete, artificial stone or the like	C04B 22/0006
Waste organic materials used as active ingredients for mortars, concrete, artificial stone or the like	C04B 24/001
Waste materials or refuse used as compounding ingredients for clay-wares	C04B 33/132
Fertilisers from waste or refuse	C05F

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Fertilisers made from household or town refuse	C05F 9/00
Regeneration of cellulose	C08B 16/00
Agglomerating foam fragments, e.g. waste foam	C08J 9/33
Recovery of waste materials of macromolecular substances	C08J 11/00
Compositions of reclaimed rubber	C08L 17/00
Recovery of luminescent materials	C09K 11/01
Destructive distillation, specially adapted for particular solid raw materials or solid raw materials in special form	C10B 53/00
Other processes not covered before; Features of destructive distillation processes in general	C10B 57/00
Production of liquid hydrocarbon mixtures from rubber or rubber waste	C10G 1/10
Recovery of petroleum waxes from hydrocarbon oils with the use of solvents	C10G 73/06
Solid fuels essentially based on sewage, house or town refuse	C10L 5/46
Solid fuels essentially based on industrial residues and waste materials	C10L 5/48
Working-up used lubricants based on mineral oils	C10M 175/02
Recovery of fats, fatty oils, or fatty acids from waste materials	C11B 13/00
Recovery of glycerol from a saponification liquor	C11D 19/00
Recovery of by-products of fermented solutions	C12F 3/00
Recovery of alcohol from press residues or other waste material	C12F 3/08
Biochemical production of ethanol from waste	C12P 7/08
Working-up raw materials other than ores, e.g. scrap, to produce non-ferrous metals or compounds thereof	C22B 7/00
Obtaining zinc or zinc oxide from muffle furnace residues	C22B 19/28
Obtaining zinc or zinc oxide from metallic residues or scrap	C22B 19/30

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Obtaining tin from scrap	C22B 25/06
Regeneration of process liquids used in electrophoretic coating	C25D 13/24
Regeneration of process solutions used in electrolytic coating	C25D 21/16
Mechanical treatment of natural fibrous or filamentary material to obtain fibres or filaments, e.g. for spinning	D01B
Carbonising rags to recover animal fibres	D01C 5/00
Recovery of starting material, waste material or solvents during the manufacture of artificial filaments or the like	D01F 13/00
Disintegrating fibre-containing articles to obtain fibres for re-use	D01G 11/00
Arrangements for confining or removing dust, fly or the like	D01H 11/00
Regeneration of used chemical baths used for dry-cleaning or washing fibres, fabrics or the like	D06L 1/10
Dry treatment of waste paper or rags for making paper or for the production of cellulose	D21B 1/08
Defibrating waste paper	D21B 1/32
Processes for obtaining cellulose by working-up waste paper	D21C 5/02
Regeneration of pulp liquors by wet combustion	D21C 11/14
Re-use of pulp-water in wet end machines for making continuous webs of paper	D21F 1/66
Waste products added to the pulp or used in paper-impregnating material	D21H 17/01
Sewers, cesspools	E03F
Arrangements in buildings for the disposal of refuse	E04F 17/10
Combustion apparatus arrangements for burning uncombusted material from primary combustion	F23B 5/00
Consuming waste products by combustion	F23G
Removal or treatment of combustion products or combustion residues	F23J

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Removing emulsion from waste photographic material	G03C 11/24
Collecting or recycling waste developer used in electrography, electrophotography or magnetography	G03G 21/10
Treating radioactively contaminated solids	G21F 9/28
Apparatus or processes for salvaging material from electric cables	H01B 15/00
Recovery of material from discharge tubes or lamps	H01J 9/52
Reclaiming serviceable parts of waste cells or batteries	H01M 6/52
Reclaiming serviceable parts of waste accumulators	H01M 10/54

Delete: The entire Informative references section.

**B09B 3/40**

**References**

Insert: The following new References out of a residual place section.

**References out of a residual place**

*Examples of places in relation to which this place is residual:*

Methods or apparatus, e.g. incinerators, specially adapted for combustion of waste or low-grade fuels	F23G 5/00
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Delete: The entire Informative references section.

**B09B 3/60**

Delete: The entire References and Informative references section.



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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>
B09B3/30			Delete the entire Definition
B09B3/35			Delete the entire Definition

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.