SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B03 SEPARATION OF SOLID MATERIALS USING LIQUIDS OR USING PNEUMATIC TABLES OR JIGS; MAGNETIC OR ELECTROSTATIC SEPARATION OF SOLID MATERIALS FROM SOLID MATERIALS OR FLUIDS; SEPARATION BY HIGH-VOLTAGE ELECTRIC FIELDS

SEPARATING SOLID MATERIALS USING LIQUIDS OR USING PNEUMATIC TABLES OR JIGS (removing fluids from **B03B** solids B01D; magnetic or electrostatic separation of solid materials from solid materials or fluids, separation by high voltage electric fields B03C; flotation, differential sedimentation B03D; separating by dry methods B07; screening or sifting B07B; by picking B07C; separating peculiar to particular materials and provided for in other single classes, see the relevant classes)

Subclass index

• by sink-float separation [2]

PRETREATMENT	1/00
WASHING, WET SEPARATING, SEPARATING BY PNEUMATIC JIGS; FEEDING AND	
DISCHARGING PRODUCTS TREATED THEREBY	4/00, 5/00, 11/00
COMBINATIONS OF PROCESSES OR APPARATUS	
ARRANGEMENTS OF PLANT	9/00
CONTROL BY PHYSICAL EFFECTS	13/00

	RGING PRODUCTS TREATED THEREBY		
	IATIONS OF PROCESSES OR APPARATUS		
ARRANG	GEMENTS OF PLANT		9/00
CONTRO	OL BY PHYSICAL EFFECTS		13/00
1/00	Conditioning for facilitating separation by altering	5/30 •	 using heavy liquids or suspensions [2]
_,	physical properties of the matter to be treated		 using centrifugal force (centrifuges B04B;
	(pretreatment of ores in general C22B)	373 2	cyclones B04C) [2]
1/02	Preparatory heating	5/34 •	• • Applications of hydrocyclones [2]
1/04	by additives		Devices therefor, other than using centrifugal
1/06	by varying ambient atmospheric pressure		force (jigs B03B 5/10) [2]
		5/38 •	• • • of conical receptacle type [2]
4/00	Separating by pneumatic tables or by pneumatic jigs		• • • of trough type [2]
	(sink-float separation using dry heavy media	5/42 •	• • of drum or lifting wheel type [2]
4/02	B03B 5/46) [2]		Application of particular media therefor [2]
4/02	• using swinging or shaking tables [6]		• using dry heavy media; Devices therefor [2]
4/04	 using rotary tables or tables formed by travelling belts (separating solids from solids using gas currents 	5/48 •	by mechanical classifiers (sink-float separation
	and revolving drums B07B 4/06) [6]		aspects B03B 5/28) [2]
4/06	 using fixed and inclined tables [6] 	5/50 •	Rake classifiers [2]
4/00	using fixed and memica tables [0]	5/52 •	Spiral classifiers [2]
5/00	Washing granular, powdered or lumpy materials;	5/54 •	Drag classifiers [2]
	Wet separating (separating by pneumatic tables or by	5/56 •	Drum classifiers [2]
	pneumatic jigs B03B 4/00) [2]	5/58 •	Bowl classifiers [2]
5/02	 using shaken, pulsated or stirred beds as the principal 	5/60 •	by non-mechanical classifiers, e.g. slime tanks (using
	means of separation (B03B 5/28, B03B 5/48 take		shaken, pulsated or stirred beds as the principal
E /O.4	precedence) [2]		means of separation B03B 5/02; hydraulic classifiers
5/04	• • on shaking tables (on vanners B03B 5/08) [2]		B03B 5/62; water impulse classifiers B03B 5/68) [2]
5/06	 Constructional details of shaking tables, e.g. riffling [2] 	5/62 •	by hydraulic classifiers, e.g. of launder, tank, spiral or
5/08	• • on vanners [2]	E /C 4	helical chute concentrator type [2]
5/10	• • on jigs [2]		• of the free settling type [2]
5/10	• • using pulses generated mechanically in fluid [2]		• of the hindered settling type [2]
5/14	• • • Plunger jigs [2]	5/68 •	by water impulse (shaking tables B03B 5/04; jigs B03B 5/10; hydraulic classifiers B03B 5/62) [2]
5/14	• • • Diaphragm jigs [2]	5/70 •	• on tables or strakes [2]
5/18	• • • Moving-sieve jigs [2]		which are movable [2]
5/20			
5/20	using pulses generated by air injection [2]using pulses generated by liquid injection [2]	5//4	• • • Revolving tables [2]
5/24	using pulses generated by riquid injection [2]Constructional details of jigs, e.g. pulse control	7/00 C	ombinations of wet processes or apparatus with
3/24	devices [2]		ther processes or apparatus, e.g. for dressing ores or
5/26	• • in sluices [2]	ga	nrbage
5,20	in states [4]		

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B03C

9/00	General arrangement of separating plant, e.g. flow sheets	13/00	Control arrangements specially adapted for wet- separating apparatus or for dressing plant, using
9/02	 specially adapted for oil-sand, oil-chalk, oil-shales, ozokerite, bitumen, or the like 		physical effects (detecting, measuring, or analysing devices G01)
9/04	 specially adapted for furnace residues, smeltings, or 	13/02	 using optical effects
	foundry slags	13/04	 using electrical or electromagnetic effects
9/06	 specially adapted for refuse 	13/06	 using absorption or reflection of radioactive

11/00 Feed or discharge devices integral with washing or wet-separating equipment (filling or emptying devices per se B65G 65/30)

MAGNETIC OR ELECTROSTATIC SEPARATION OF SOLID MATERIALS FROM SOLID MATERIALS OR FLUIDS; SEPARATION BY HIGH-VOLTAGE ELECTRIC FIELDS (filters making use of electricity or magnetism B01D 35/06; separating isotopes B01D 59/00; combinations of magnetic or electrostatic separation with separation of solids by other means B03B, B07B; separating sheets from piles B65H 3/00; magnets or magnet coils per se H01F) [5]

emanation

1/00 Magnetic separation	1/26 • • with free falling material (B03C 1/035 takes
1/005 • Pretreatment specially adapted for magnetic	precedence) [5]
separation [6]	1/28 • • Magnetic plugs and dipsticks
1/01 • • by addition of magnetic adjuvants [6]	1/30 • Combinations with other devices, not otherwise
1/015 • • by chemical treatment imparting magnetic	provided for
properties to the material to be separated, e.g.	1/32 • acting on the medium containing the substance being
roasting, reduction, oxidation [6]	separated, e.g. magneto-gravimetric-, magnetohydrostatic-, or magnetohydrodynamic
1/02 • acting directly on the substance being separated [5]	separation [5]
1/021 • • Separation using Meissner effect, i.e. deflection of superconductive particles in a magnetic field [6]	ocparation [0]
1/023 • • Separation using Lorentz force, i.e. deflection of	3/00 Separating dispersed particles from gases or vapour,
electrically charged particles in a magnetic	e.g. air, by electrostatic effect (exhaust or silencing
field [6]	apparatus for machines or engines having means for
1/025 • • High gradient magnetic separators [5]	removing solid constituents of exhaust, using electric or
1/027 • • • with reciprocating canisters [6]	electrostatic separators F01N 3/01)
1/029 • • • with circulating matrix or matrix elements	 Pretreatment of the gases prior to electrostatic precipitation
(matrix elements B03C 1/034) [6]	3/011 • • Prefiltering; Flow controlling [6]
1/03 • • • rotating, e.g. of the carousel type [5, 6]	3/013 • Conditioning by chemical additives, e.g. with
1/031 • • • Component parts; Auxiliary operations [6]	SO ₃ [6]
1/032 • • • Matrix cleaning systems [6]	3/014 • Addition of water; Heat exchange, e.g. by
1/033 • • • characterised by the magnetic circuit [6]	condensation [6]
1/034 • • • • characterised by the matrix elements [6]	3/016 • • by acoustic or electromagnetic energy, e.g. ultra-
1/035 • • Open gradient magnetic separators, i.e. separators	violet light [6]
in which the gap is unobstructed, characterised by	3/017 • Combinations of electrostatic separation with other
the configuration of the gap [5]	processes, not otherwise provided for [6]
1/0355 • • • using superconductive coils [6]	3/019 • Post-treatment of gases [6]
1/04 • • with the material carriers in the form of trays or	 9/02 • Plant or installations having external electricity
with tables	supply (electrode constructions B03C 3/40)
1/06 • • • with magnets moving during operation	3/04 • • dry type
1/08 • • • with non-movable magnets	3/06 • • • characterised by presence of stationary tube
1/10 • • with cylindrical material carriers (B03C 1/247	electrodes
takes precedence) [6]	3/08 • • • characterised by presence of stationary flat
1/12 • • • with magnets moving during operation; with movable pole pieces	electrodes arranged with their flat surfaces parallel to the gas stream
1/14 • • • with non-movable magnets	3/09 • • • characterised by presence of stationary flat
1/16 • • with material carriers in the form of belts	electrodes arranged with their flat surfaces at
1/18 • • • with magnets moving during operation	right angles to the gas stream
1/20 • • • • in the form of belts, e.g. cross-belt type	3/10 • • • characterised by presence of electrodes moving
1/22 • • • with non-movable magnets	during separating action
1/23 • • with material carried by oscillating fields; with	3/12 • • • characterised by separation of ionising and
material carried by travelling fields, e.g. generated	collecting stations
by stationary magnetic coils; Eddy-current	3/14 • • characterised by the additional use of
separators, e.g. sliding ramp [5]	mechanical effects, e.g. gravity (B03C 3/32
1/24 • • • with material carried by travelling fields [5]	takes precedence)
1/247 • • • obtained by a rotating magnetic drum [6]	3/145 • • • Inertia [6]
1/253 • • • obtained by a linear motor [6]	3/15 · · · · Centrifugal forces [6]
	3/155 • • • • Filtration [6]

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3/16 • • wet type

3/28	• Plant or installations without electricity supply, e.g.	3/74	Cleaning the electrodes
3/30	using electretsin which electrostatic charge is generated by	3/76	 • by using a mechanical vibrator, e.g. rapping gear
0.00	passage of the gases, i.e. tribo-electricity	3/78	• • • by washing
3/32	Transportable units, e.g. for cleaning room air (room	3/80	• • by gas or solid particle blasting
	air-conditioners having an electrostatic separating	3/82	• • Housings
	stage F24F)	3/84	Protective coatings
3/34	 Constructional details or accessories or operation 	3/86	 Electrode-carrying means (B03C 3/40 takes
	thereof	3700	precedence)
3/36	 Controlling flow of gases or vapour 	3/88	Cleaning-out collected particles
3/38	 Particle charging or ionising stations, e.g. using 		o i
	electric discharge, radioactive radiation, flames (electrode constructions B03C 3/40; ionising gases H05H)	5/00	Separating dispersed particles from liquids by electrostatic effect (combined with centrifuges
3/40	Electrode constructions	F /02	B04B 5/10) [2]
3/41	Ionising-electrodes	5/02	 Separators
3/43	• • • • radioactive	7/00	Separating solids from solids by electrostatic effect
3/45	Collecting-electrodes	7/02	• Separators
3/43	• • • flat, e.g. plates, discs, gratings	7/04	 with material carriers in the form of trays, troughs,
3/49	• • • • tubular	.,	or tables
3/49		7/06	 with cylindrical material carriers
	• • • Catch-space electrodes, e.g. slotted-box form• • • Liquid, or liquid-film, electrodes	7/08	with material carriers in the form of belts
3/53		7/10	 with material falling in cascades
3/60	 Use of special materials other than liquids ceramics 	7/12	with material falling free
3/62		.,	
3/64	• • • synthetic resins	9/00	Electrostatic separation not provided for in any
3/66	Applications of electricity supply techniques		single one of the other main groups of this subclass
3/68	• • • Control systems therefor	11/00	
3/70	• • • insulating in electric separators (B03C 3/53	11/00	Separation by high-voltage electrical fields, not provided for in other groups of this
3/72	takes precedence) • Emergency control systems		subclass [2006.01]
3//2	Emergency control systems		
B03D	FLOTATION; DIFFERENTIAL SEDIMENTATION (in B03B 5/28)	combination	with other separation of solids B03B; sink-float separation
B03D	· · · · · · · · · · · · · · · · · · ·	combination	with other separation of solids B03B; sink-float separation
B03D 1/00	B03B 5/28) Flotation	1/16	 • with impellers; Subaeration machines
	B03B 5/28)	1/16 1/18	 • with impellers; Subaeration machines • without air supply
1/00	Flotation • Flotation agents [5]	1/16	 • with impellers; Subaeration machines
1/00	Flotation • Flotation agents [5] Note(s)	1/16 1/18 1/20 1/22	 • with impellers; Subaeration machines • without air supply
1/00	Flotation • Flotation agents [5] Note(s) 1. In this group in the absence of an indication to the	1/16 1/18 1/20 1/22 1/24	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic
1/00	 Flotation Flotation agents [5] Note(s) 1. In this group in the absence of an indication to the contrary, classification is made in the last 	1/16 1/18 1/20 1/22	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers
1/00	 Flotation Flotation agents [5] Note(s) 1. In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. 	1/16 1/18 1/20 1/22 1/24 1/26	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines
1/00	 Flotation Flotation agents [5] Note(s) 1. In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. 2. In this group, it is desirable to add the appropriate 	1/16 1/18 1/20 1/22 1/24 1/26	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation
1/00	 Flotation Flotation agents [5] Note(s) 1. In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. 	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation
1/00	 Flotation Flotation agents [5] Note(s) 1. In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. 2. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. 	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations
1/00 1/001	Flotation • Flotation agents [5] Note(s) 1. In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. 2. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. • • Inorganic compounds [5]	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation
1/00 1/001	Flotation • Flotation agents [5] Note(s) 1. In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. 2. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. • • Inorganic compounds [5]	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations
1/00 1/001 1/002 1/004	Flotation • Flotation agents [5] Note(s) 1. In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. 2. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. • Inorganic compounds [5] • Organic compounds [5]	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04 3/06	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations Flocculation
1/00 1/001 1/002 1/004 1/006	 Flotation Flotation agents [5] Note(s) 1. In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. 2. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. Inorganic compounds [5] Organic compounds [5] Hydrocarbons [5] 	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04 3/06	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations Flocculation scheme associated with group B03D 1/001, relating to
1/00 1/001 1/002 1/004 1/006 1/008	Flotation Flotation Flotation agents [5] Note(s) In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. Inorganic compounds [5] Organic compounds [5] Hydrocarbons [5] containing oxygen [5]	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04 3/06	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations Flocculation
1/00 1/001 1/002 1/004 1/006 1/008 1/01	Flotation Flotation Flotation agents [5] Note(s) In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. Inorganic compounds [5] Organic compounds [5] Hydrocarbons [5] Containing oxygen [5] containing nitrogen [5] containing sulfur [5]	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04 3/06	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations Flocculation scheme associated with group B03D 1/001, relating to
1/00 1/001 1/002 1/004 1/006 1/008 1/01	Flotation Flotation Flotation agents [5] Note(s) In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. Inorganic compounds [5] Organic compounds [5] Hydrocarbons [5] Containing oxygen [5] containing nitrogen [5] containing sulfur [5] containing phosphorus [5]	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04 3/06 Indexing the effect 101/00 101/02	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations Flocculation scheme associated with group B03D 1/001, relating to ts produced and the materials treated. [5] Specified effects produced by the flotation agents [5] Collectors [5]
1/00 1/001 1/002 1/004 1/006 1/008 1/01 1/012 1/014	Flotation Flotation Flotation agents [5] Note(s) In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. Inorganic compounds [5] Organic compounds [5] Hydrocarbons [5] Containing oxygen [5] Containing sulfur [5] Containing sulfur [5] Macromolecular compounds [5]	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04 3/06 Indexing the effect 101/00 101/02 101/04	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations Flocculation scheme associated with group B03D 1/001, relating to ts produced and the materials treated. [5] Specified effects produced by the flotation agents [5] Collectors [5] Frothers [5]
1/00 1/001 1/002 1/004 1/006 1/008 1/01 1/012 1/014 1/016	Flotation Flotation Flotation agents [5] Note(s) In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. Inorganic compounds [5] Organic compounds [5] Hydrocarbons [5] Containing oxygen [5] Containing sulfur [5] Containing sulfur [5] Macromolecular compounds [5]	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04 3/06 Indexing the effect 101/00 101/02	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations Flocculation scheme associated with group B03D 1/001, relating to ts produced and the materials treated. [5] Specified effects produced by the flotation agents [5] Collectors [5]
1/00 1/001 1/002 1/004 1/006 1/008 1/01 1/012 1/014 1/016 1/018	Flotation Flotation Flotation agents [5] Note(s) In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. Inorganic compounds [5] Organic compounds [5] Hydrocarbons [5] Containing oxygen [5] Containing sulfur [5] Containing sulfur [5] Macromolecular compounds [5] Mixtures of inorganic and organic compounds [5]	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04 3/06 Indexing the effect 101/00 101/02 101/04 101/06	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations Flocculation scheme associated with group B03D 1/001, relating to ts produced and the materials treated. [5] Specified effects produced by the flotation agents [5] Collectors [5] Frothers [5] Depressants [5]
1/00 1/001 1/001 1/002 1/004 1/006 1/008 1/01 1/012 1/014 1/016 1/018 1/02	Flotation Flotation Flotation agents [5] Note(s) In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. Inorganic compounds [5] Organic compounds [5] Hydrocarbons [5] Containing oxygen [5] Containing sulfur [5] Containing sulfur [5] Containing phosphorus [5] Macromolecular compounds [5] Mixtures of inorganic and organic compounds [5] Froth-flotation processes	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04 3/06 Indexing the effect 101/00 101/02 101/04 101/06 103/00	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations Flocculation scheme associated with group B03D 1/001, relating to ts produced and the materials treated. [5] Specified effects produced by the flotation agents [5] Collectors [5] Frothers [5] Depressants [5] Specified materials treated by the flotation agents [5]
1/00 1/001 1/001 1/002 1/004 1/006 1/008 1/01 1/012 1/014 1/016 1/018 1/02 1/04	Flotation Flotation Flotation Flotation agents [5] Note(s) 1. In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. 2. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. Inorganic compounds [5] Organic compounds [5] Hydrocarbons [5] Containing oxygen [5] Containing sulfur [5] Containing sulfur [5] Containing phosphorus [5] Mixtures of inorganic and organic compounds [5] Froth-flotation processes by varying ambient atmospheric pressure	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04 3/06 Indexing the effect 101/00 101/02 101/04 101/06 103/00 103/02	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations Flocculation scheme associated with group B03D 1/001, relating to ts produced and the materials treated. [5] Specified effects produced by the flotation agents [5] Collectors [5] Frothers [5] Depressants [5] Specified materials treated by the flotation agents [5] Ores [5]
1/00 1/001 1/001 1/002 1/004 1/008 1/01 1/012 1/014 1/016 1/018 1/02 1/04 1/06	Flotation Flotation Flotation agents [5] Note(s) In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. Inorganic compounds [5] Organic compounds [5] Frontaining oxygen [5] Organic containing nitrogen [5] Organic containing sulfur [5] Organic containing and oxygen [5] Organic containing phosphorus [5] Organic compounds [5] Organic containing phosphorus [5] Organic compounds [5] Organic	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04 3/06 Indexing the effect 101/00 101/02 101/04 101/06 103/00 103/02 103/04	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations Flocculation scheme associated with group B03D 1/001, relating to ts produced and the materials treated. [5] Specified effects produced by the flotation agents [5] Collectors [5] Frothers [5] Depressants [5] Specified materials treated by the flotation agents [5] Ores [5] Non-sulfide ores [5]
1/00 1/001 1/001 1/002 1/004 1/008 1/01 1/012 1/014 1/016 1/018 1/02 1/04 1/06 1/08	Flotation Flotation Flotation agents [5] Note(s) In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. Inorganic compounds [5] Organic compounds [5] Organic compounds [5] Organic compounds [5] Organic containing oxygen [5] Ocontaining oxygen [5] Ocontaining sulfur [5] Ocontaining sulfur [5] Ocontaining phosphorus [5] Ocontaining oxygen [5] Ocontaining oxygen [5] Ocontaining phosphorus [5]	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04 3/06 Indexing the effect 101/00 101/02 101/04 101/06 103/00 103/02 103/04 103/06	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations Flocculation scheme associated with group B03D 1/001, relating to ts produced and the materials treated. [5] Specified effects produced by the flotation agents [5] Collectors [5] Frothers [5] Depressants [5] Specified materials treated by the flotation agents [5] Ores [5] Non-sulfide ores [5] Phosphate ores [5]
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1/00 1/001 1/001 1/002 1/004 1/006 1/008 1/01 1/012 1/014 1/016 1/018 1/02 1/04 1/06 1/08 1/10	Flotation Flotation Flotation agents [5] Note(s) In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. Inorganic compounds [5] Organic containing nitrogen [5] Organic containing and organic compounds [5] Organic compounds [5] Organic compounds [5] Organic containing phosphorus [5] Organic compounds [5] Organic containing nitrogen [5] Organic containing nitrogen [5] Organic containing nitrogen [5] Organic compounds [5]	1/16 1/18 1/20 1/22 1/24 1/26 3/00 3/02 3/04 3/06 Indexing the effect 101/00 101/02 101/04 101/06 103/00 103/02 103/04 103/06	 with impellers; Subaeration machines without air supply with internal air pumps with external blowers pneumatic Air lift machines Differential sedimentation Coagulation assisted by vibrations Flocculation scheme associated with group B03D 1/001, relating to ts produced and the materials treated. [5] Specified effects produced by the flotation agents [5] Collectors [5] Frothers [5] Depressants [5] Specified materials treated by the flotation agents [5] Ores [5] Non-sulfide ores [5] Phosphate ores [5]

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