

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 isotopes B01D 59/00; crushing or disintegrating B02C; centrifuges or vortex apparatus for carrying out physical processes B04) [5]

B03D FLOTATION; DIFFERENTIAL SEDIMENTATION (sedimentation in general B01D 21/00; in combination with other separation of solids B03B; sink-float separation B03B 5/28; detergents, soaps C11D)

- 1/00 Flotation** (conditioning for flotation, general arrangement of plant B03B)
- 1/001 . Flotation agents (conditioners B03B 1/00) [5]

Note

In this group in the absence of an indication to the contrary, classification is made in the last appropriate place. [5]

Note

In this group, it is desirable to add the appropriate indexing code(s) from each of groups B03D 101/00 or B03D 103/00. [5]

- 1/002 . . Inorganic compounds [5]
- 1/004 . . Organic compounds [5]
- 1/006 . . . Hydrocarbons [5]
- 1/008 . . . containing oxygen [5]
- 1/01 . . . containing nitrogen [5]
- 1/012 . . . containing sulfur [5]
- 1/014 . . . containing phosphorus [5]
- 1/016 . . . Macromolecular compounds [5]
- 1/018 . . Mixtures of inorganic and organic compounds [5]
- 1/02 . Froth-flotation processes
- 1/04 . . by varying ambient atmospheric pressure
- 1/06 . . differential
- 1/08 . Subsequent treatment of concentrated product (froth dispersion B01D 19/02)
- 1/10 . . Removing adhering liquid from separated materials (processes or devices capable of general use B01D)

- 1/12 . Agent recovery
- 1/14 . Flotation machines (devices for feeding measured quantities of reagents B01J 4/02; flotation apparatus for enzymology or microbiology C12M 1/09)
- 1/16 . . with impellers; Subaeration machines
- 1/18 . . . without air supply
- 1/20 . . . with internal air pumps
- 1/22 . . . with external blowers
- 1/24 . . pneumatic
- 1/26 . . . Air lift machines

3/00 Differential sedimentation

- 3/02 . Coagulation
- 3/04 . . assisted by vibrations
- 3/06 . Flocculation

Indexing scheme associated with group B03D 1/001, relating to the effects produced and the materials treated. [5]

101/00 Specified effects produced by the flotation agents [5]

- 101/02 . Collectors [5]
- 101/04 . Frothers [5]
- 101/06 . Depressants [5]

103/00 Specified materials treated by the flotation agents [5]

- 103/02 . Ores [5]
- 103/04 . . Non-sulfide ores [5]
- 103/06 . . . Phosphate ores [5]
- 103/08 . . . Coal ores [5]
- 103/10 . . . Potassium ores [5]