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

B03D FLOTATION; DIFFERENTIAL SEDIMENTATION (in combination with other separation of solids B03B; sink-float separation B03B 5/28)

1/00 Flotation

1/001 • 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.

1/002 • • 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
1/10 • • Removing adhering liquid from separated materials
1/12 • Agent recovery
1/14 • Flotation machines (devices for feeding measured quantities of reagents B01J 4/02)
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]**