

Title (en)

Method of separating solids by means of flotation

Title (de)

Verfahren zur Abtrennung von Feststoffen durch Flotation

Title (fr)

Procédé pour la séparation de solides par flottation

Publication

EP 0642833 B1 19980930 (DE)

Application

EP 94110775 A 19940712

Priority

DE 4330635 A 19930910

Abstract (en)

[origin: EP0642833A1] The flotation method for separating off solids from a suspension takes place utilizing centrifugal forces. In the clarifying compartment (1), the suspension is set in rotation so that floated portions are particularly effectively conducted towards the centre of the clarifying compartment (1) and concentrated. Viewed axially, floated portions and the remainder of the suspension are conducted in the same direction and led off from the clarifying compartment. This flow guidance is advantageous to achieve a good separation effect particularly owing to the vortex avoided as a result. In addition, a plurality of apparatuses for carrying out the method are described. <IMAGE>

IPC 1-7

B03D 1/14; **B04C 3/06**; **B04C 3/00**

IPC 8 full level

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CPC (source: EP US)

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FR SE

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EP 0642833 A1 19950315; **EP 0642833 B1 19980930**; DE 4330635 A1 19950316; DE 4330635 C2 19960711; US 5690812 A 19971125; US 5916446 A 19990629

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