

Title (en)
Device for the flotation of a liquid

Title (de)
Vorrichtung zur Flotation einer Flüssigkeit

Title (fr)
Dispositif de flottation d'un liquide

Publication
EP 1726366 A1 20061129 (DE)

Application
EP 06009335 A 20060505

Priority
AT 9032005 A 20050525

Abstract (en)
A papermaking assembly is fed by a suspension of fibers in liquid. The fibers are floated to the surface under the influence of downward-directed jets (1) directed into the open end of a pipe (7) from which the jet is separated by a gap for incoming gas, especially air. The inner diameter of the jet is smaller than that of the adjacent pipe, from which it is separated by a gap. The final pipe is semi-submerged within the fiber suspension.

IPC 8 full level
B03D 1/26 (2006.01); **B01F 3/08** (2006.01); **B01F 5/04** (2006.01); **D21B 1/12** (2006.01)

CPC (source: EP)
B03D 1/242 (2013.01); **B03D 1/26** (2013.01); **D21F 1/70** (2013.01); **B01F 25/312** (2022.01)

Citation (search report)

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Citation (examination)

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DE FI

Designated extension state (EPC)
AL BA HR MK YU

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EP 1726366 A1 20061129; AT 501976 A1 20061215; AT 501976 B1 20070315; CN 1872708 A 20061206

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