

Title (en)

Device for separating composite materials suspended in a liquid

Title (de)

Vorrichtung zum Trennen von in Flüssigkeit aufgeschwemmtem Verbundmaterial

Title (fr)

Dispositif pour séparer des matières composites en suspension dans un liquide

Publication

**EP 0811428 A3 19990407 (DE)**

Application

**EP 97710004 A 19970218**

Priority

DE 19622962 A 19960607

Abstract (en)

[origin: EP0811428A2] The separator pumps the suspension into a cylindrical swirl chamber via a tangential input duct (27). The outlet from the swirl chamber is offset from the vertical axis of the chamber and feeds off axis into a hopper and into a cylindrical chamber (1) in which paddles (18,19,20) rotate about a central axis. The separated components are drawn out from the stirred chamber at different levels according to their densities. Fluid is pumped into the stirring or separation chamber from a perforated grid under the bottom stirrer, and above the outlet (32) for the most dense component. The tapering hopper is between the outlet of the swirl chamber and the inlet of the separating chamber.

IPC 1-7

**B03B 5/62**

IPC 8 full level

**B03B 5/62** (2006.01); **B03B 11/00** (2006.01)

CPC (source: EP)

**B03B 5/623** (2013.01); **B03B 11/00** (2013.01)

Citation (search report)

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- [AD] WO 9530486 A1 19951116 - HUBER HANS GMBH MASCHINEN UND [DE], et al
- [A] DE 4318522 A1 19940428 - FELDER ANTON [DE]
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Designated contracting state (EPC)

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