

Title (en)

DEVICE FOR SEPARATING COARSE SOLIDS

Title (de)

VORRICHTUNG ZUM ABTRENNEN GROBER FESTSTOFFE

Title (fr)

DISPOSITIF DE SÉPARATION DE MATIÈRE SOLIDE GROSSIÈRE

Publication

EP 2442884 A1 20120425 (DE)

Application

EP 10721917 A 20100519

Priority

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- AT 9472009 A 20090618

Abstract (en)

[origin: WO2010144926A1] The invention relates to a device for separating coarse solids from a viscous fluid, for example a fiber suspension, comprising means for separating coarse materials from the acceptable material and means for discharging and removing the coarse materials from the device, wherein in a separating chamber (5), into which the raw fluid flows and in which the coarse materials are separated from the acceptable material, at least one movable mechanical discharge unit (6) is arranged, which moves the coarse materials deposited or enriched there into at least one discharge region (70, 80). The invention is characterized in that said discharge region (70, 80) can be temporarily partitioned off the separating chamber (5) by the discharge unit (6), whereby at least one discharge chamber (7, 8) is formed, which is spatially delimited from the separating chamber (5) and from which the coarse materials are discharged from the device.

IPC 8 full level

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Citation (search report)

See references of WO 2010144926A1

Citation (examination)

- DE 4401705 A1 19950727 - MUELLER UMWELTTECHNIK [DE]
- EP 0463292 A1 19920102 - MUELLER UMWELTTECHNIK [DE]
- DE 4032145 C1 19920116
- DE 3914326 A1 19891116 - SARTORIUS GMBH [DE]

Cited by

CN109488277A; CN109126250A

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