

Title (en)

THREE-PHASE SEPARATOR COMPRISING A SKIMMING DISC AND SOLID DISCHARGE ORIFICES

Title (de)

DREI-PHASEN-TRENNSEPARATOR MIT EINER SCHÄLSCHEIBE UND FESTSTOFFAUSTRAGSÖFFNUNGEN

Title (fr)

SÉPARATEUR À TROIS PHASES AVEC UN DISQUE D'ÉPLUCHAGE ET DES OUVERTURES DE SORTIE DE MATIÈRES SOLIDES

Publication

EP 2015871 A1 20090121 (DE)

Application

EP 06724790 A 20060511

Priority

EP 2006004414 W 20060511

Abstract (en)

[origin: WO2007131515A1] A separator comprising an at least internally single or double-conical separator drum (1) which is mounted rotatably only on one of its axial ends and which has a vertical rotational axis and which also has the following: only at its lower end or at its upper end, a rotary spindle for driving the separator drum, which is mounted so as to oscillate about an articulation point (G), a feed tube (4) for a product to be processed, at least two liquid outlets for a lighter phase (LP) and a heavier phase (HP), wherein the liquid outlet for the lighter phase (LP) is provided with a skimming disc, preferably solid discharge orifices in the region of its greatest internal circumference, a separating pan assembly arranged in the separator drum, wherein an adjustable throttle device (13) is arranged downstream of the liquid outlet of the heavier phase (HP) (12) outside the drum and preferably has an annular disc (19) and is designed to shift the liquid radius R(HP), up to which the heavy phase in the drum extends by changing the exit cross section for the heavy liquid phase - i.e. by partial throttling.

IPC 8 full level

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CPC (source: EP NO US)

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Citation (search report)

See references of WO 2007131515A1

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