

Title (en)

DEVICE FOR SELECTIVELY SEPARATING PARTICLES IN A FLUID, IN PARTICULAR FOR PURIFYING FIBROUS PAPER-MAKING SUSPENSIONS

Publication

**EP 0359682 B1 19920722 (FR)**

Application

**EP 89420338 A 19890912**

Priority

FR 8812156 A 19880913

Abstract (en)

[origin: WO9002839A1] The invention relates to a device for the separation of particles in a liquid, wherein the suspension to be purified is supplied to a revolution housing (1) rotating about an axis (2), and wherein the moving deviation means (7, 8) preceeding the fixed outlet means (9, 10) collect the major part of the suspension flow at the periphery of housing (1) and deviate it towards the longitudinal rotation axis (2) so as to recover the major part of the kineticrotational energy; the outlet means (7, 8, 9, 10) are situated at the extremity opposite to that of the housing (1) comprising the supply means (5, 6) and are arranged at the periphery of said housing (1). The device of the invention is characterized in that it is comprised, inside the housing, of a central revolution body shaped like a diabololo (11) with skimming means (12) arranged at the vicinity of its smaller cross-section and connected to an axial outlet conduit (13). Application to the purification of paper suspensions.

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CPC (source: EP US)

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**WO 9002839 A1 19900322**; AT E78533 T1 19920815; BR 8907082 A 19910108; CA 1331956 C 19940913; DE 68902205 D1 19920827; DE 68902205 T2 19921210; EP 0359682 A1 19900321; EP 0359682 B1 19920722; ES 2034729 T3 19930401; FI 902374 A0 19900511; FI 95056 B 19950831; FI 95056 C 19951211; FR 2636251 A1 19900316; FR 2636251 B1 19920117; JP 2661757 B2 19971008; JP H03501279 A 19910322; US 5131544 A 19920721

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