

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

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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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