

Title (en)  
PRESSURE SORTER FOR FIBRE SUSPENSIONS

Title (de)  
DRUCKSORTIERER FÜR FASERSUSPENSIONEN

Title (fr)  
TRIEUSE SOUS PRESSION POUR SUSPENSIONS FIBREUSES

Publication  
**EP 0646199 B1 19961211 (DE)**

Application  
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Priority  
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Abstract (en)  
[origin: US5601192A] PCT No. PCT/EP92/01393 Sec. 371 Date Dec. 12, 1994 Sec. 102(e) Date Dec. 12, 1994 PCT Filed Jun. 20, 1992 PCT Pub. No. WO94/00634 PCT Pub. Date Jan. 6, 1994 Pressure sorter for the preparation of fiber suspensions obtained from waste paper, with a screen surrounding a rotor, a supply chamber between rotor circumference and screen as well as an accepts chamber outside the screen and with profiled elements provided at the circumferential surface of the rotor for generating positive and negative pressure pulses, whereby in order to achieve good sorting results as well as a long service life of the screen, a rotor peripheral surface sector is provided between two profiled elements following one another in circumferential direction of the rotor, in every axial section of the circumferential surface of the rotor acting on the screen, this rotor peripheral surface sector being part of a peripheral surface area parallel to the screen inlet side, wherein-measured in circumferential direction of the rotor-the length of each profiled element is at least approximately equal to the length of the following rotor peripheral surface sector, the length of the latter, however, being at least approximately 30% of the length of the profiled element lying in front of it and wherein the profiled elements are designed such and are arranged at the rotor circumference such that-as seen in the direction of the screen axis-the rotor peripheral surface sectors form through-channels between the profiled elements along the region of the rotor surrounded by the screen.

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**D21D 5/02**

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