

Title (en)

ROTOR FOR A SCREENING APPARATUS FOR THE PURIFICATION OF PULP SUSPENSIONS, PARTICULARLY IN THE PAPER INDUSTRY

Publication

EP 0094022 A3 19841024 (DE)

Application

EP 83104384 A 19830504

Priority

DE 3217824 A 19820512

Abstract (en)

[origin: ES279953U] A rotor for a sorting apparatus for cleaning fibrous suspensions such as produced from the making of paper is described. The rotor is equipped with sorter blades which extend substantially parallel to the axis of rotation and are set at a desired angle relative to the direction of rotation of the rotor so as to create a hydrofoil effect. The sorter blades are mounted to one or more supporting walls shaped in a spiral form to provide spiral surfaces which are coaxial with the axis of rotation of the rotor and impart a conveying motion to the fibrous suspension. Upon rotation of the rotor in a fibrous suspension entanglements by impurities are avoided and the danger of the occurrence of a blockage of the strainer used in the sorter apparatus is reduced.

IPC 1-7

D21D 5/02

IPC 8 full level

D21C 5/02 (2006.01); **D21C 9/02** (2006.01); **D21D 5/02** (2006.01)

CPC (source: EP US)

D21D 5/026 (2013.01 - EP US)

Citation (search report)

- US 3754658 A 19730828 - MESSING H, et al
- US 523048 A 18940717
- US 2835173 A 19580520 - MARTINDALE JAMES H
- GB 1081546 A 19670831 - VOITH GMBH J M
- GB 336252 A 19301006 - SILIAM MARTIN BJERRE

Cited by

EP0638687A1; CN106794473A; EP0560753A1; FR2666598A1; US10583443B2; WO2016019944A1

Designated contracting state (EPC)

AT BE CH FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0094022 A2 19831116; EP 0094022 A3 19841024; EP 0094022 B1 19860618; AT E20483 T1 19860715; BR 8302554 A 19840117; DE 3217824 A1 19831117; DE 3217824 C2 19851024; ES 279953 U 19841116; ES 279953 Y 19850601; FI 831642 A0 19830511; FI 831642 L 19831113; JP S58203194 A 19831126; JP S6229556 B2 19870626; US 4585551 A 19860429

DOCDB simple family (application)

EP 83104384 A 19830504; AT 83104384 T 19830504; BR 8302554 A 19830512; DE 3217824 A 19820512; ES 279953 U 19830511; FI 831642 A 19830511; JP 7769983 A 19830504; US 49302383 A 19830509