

Title (en)
ROTATING SORTER

Publication
EP 0034780 A3 19840502 (DE)

Application
EP 81101042 A 19810214

Priority
DE 3006482 A 19800221

Abstract (en)
[origin: ES8206707A1] The disclosure concerns a rotary screening machine for moving pulp suspension through a screening slot and for separating impurities from the pulp suspension. An annular rotatable drum is surrounded by an annular porous screen basket that is spaced away to define a screening slot. Pulp suspension is delivered to one axial end of the slot and is discharged from the other axial end of the slot. Generally wedged shaped vanes, widening in the axial direction between the leading and trailing ends of the vane, are provided around the drum. The wedge defining surfaces may also be inclined with respect to a respective plane perpendicular to the axis. The space between the wedge surfaces is an open volume. A wall in that space is oriented to help create appropriate vacuum and eddy conditions behind the vane. The drum may have different zones, with the lower zone being provided with vanes and the upper zone being generally smooth. Other types of vanes or projections may be provided in the intermediate zone. Water sprayed into the slot dilutes the suspension. The configuration of the vane causes conveyance of the pulp suspension generally toward the impurities outlet and conveys the impurities to that outlet. The configuration of the vanes also causes the suspension to pulsate across the screen basket which dislodges pulp suspension fibers that otherwise might become matted on the screen.

IPC 1-7
D21D 5/06; **B07B 1/20**

IPC 8 full level
B01D 33/06 (2006.01); **B07B 1/20** (2006.01); **D21D 5/02** (2006.01); **D21D 5/06** (2006.01)

CPC (source: EP US)
B07B 1/20 (2013.01 - EP US); **D21D 5/026** (2013.01 - EP US)

Citation (search report)
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Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0034780 A2 19810902; **EP 0034780 A3 19840502**; **EP 0034780 B1 19861210**; AT E24218 T1 19861215; BR 6100221 U 19830517; CA 1174203 A 19840911; DE 3006482 A1 19811008; DE 3006482 C2 19830414; DE 3175705 D1 19870122; ES 499618 A0 19820816; ES 8206707 A1 19820816; JP H0242951 B2 19900926; JP S56133009 A 19811017; US 4356085 A 19821026

DOCDB simple family (application)
EP 81101042 A 19810214; AT 81101042 T 19810214; BR 6100221 U 19810216; CA 371380 A 19810220; DE 3006482 A 19800221; DE 3175705 T 19810214; ES 499618 A 19810220; JP 2482781 A 19810221; US 23662681 A 19810220