

Title (en)

Pulper for disintegration and suspension of paper pulp and rotor suitable for such a pulper

Title (de)

Stofflöser zur Zerkleinerung und Suspendierung von Papierstoff sowie Rotor für einen solchen Stofflöser

Title (fr)

Pulpeur pour la disintégration et pour mettre en suspension de matière première de papier et son rotor

Publication

EP 1693505 A1 20060823 (DE)

Application

EP 06000661 A 20060113

Priority

DE 102005007972 A 20050222

Abstract (en)

Pulp beater comprises a vessel for receiving pulp and water, a blade-bearing rotor mounted in the vessel, and a screen (10) whose surface is swept by the rotor. The rotor blades (3) are curved so that the angle (alpha) between the tip of the leading edge (4) and the circumference (5) of the blade path is no more than 20[deg] and the blades are fitted on top with forward-projecting guide facings (7) that intersect the circumference at an angle (beta) of at least 40[deg]. An independent claim is also included for a pulp beater rotor as above.

IPC 8 full level

D21B 1/34 (2006.01)

CPC (source: EP)

D21B 1/34 (2013.01)

Citation (applicant)

- DE 3638993 C2 19891026
- DE 2500860 A1 19750717 - BLACK CLAWSON CO
- US 4480796 A 19841106 - PARASKEVAS STAVROS [US]
- DE 10254544 A1 20040408 - EDELSTAHL JANSEN GMBH [DE]
- DE 844116 C 19520717 - LEJE & THURNE AB
- DE 2345735 A1 19750320 - ESCHER WYSS GMBH

Citation (search report)

- [A] US 4480796 A 19841106 - PARASKEVAS STAVROS [US]
- [A] DE 10254544 A1 20040408 - EDELSTAHL JANSEN GMBH [DE]
- [A] DE 844116 C 19520717 - LEJE & THURNE AB

Cited by

AT13645U1; CN101912743A; CN103015242A; CN112004967A; CN102575421A; EP2568078A1; WO2012116928A1; WO2011045094A3; WO2011045094A2; US8991733B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1693505 A1 20060823; EP 1693505 B1 20081126; AT E415514 T1 20081215; DE 102005007972 A1 20060824; DE 502006002152 D1 20090108; ES 2318591 T3 20090501

DOCDB simple family (application)

EP 06000661 A 20060113; AT 06000661 T 20060113; DE 102005007972 A 20050222; DE 502006002152 T 20060113; ES 06000661 T 20060113