

Title (en)
PULPER

Title (de)
STOFFLÖSEVORRICHTUNG

Title (fr)
BROYEUR

Publication
EP 1084290 A1 20010321 (DE)

Application
EP 99927861 A 19990602

Priority
• DE 19824806 A 19980603
• EP 9903852 W 19990602

Abstract (en)
[origin: US6379505B1] A pulper device includes a vessel in which an annular flow can be generated. The flow acts upon a liquid-solid mixture located inside the vessel and effects a pulping of the same. The device also comprises a screening device for separating coarse materials from the suspension, whereby the screening device has the shape of a truncated cone. The truncated cone is provided with holes on the lateral surface thereof and can be mounted on the base of the vessel in such a way that the truncated cone points upward with the small circular surface thereof, and the lateral surface lies in an approximately tangential manner to the toroidal flow. The screening device is subdivided into different segments and these segments can be individually mounted from the external side of the vessel.

IPC 1-7
D21B 1/34

IPC 8 full level
D21B 1/34 (2006.01)

CPC (source: EP KR US)
D21B 1/345 (2013.01 - EP US); **D21D 5/08** (2013.01 - KR)

Citation (search report)
See references of WO 9963148A1

Designated contracting state (EPC)
AT CH DE ES FI FR GB IT LI NL SE

DOCDB simple family (publication)
US 6379505 B1 20020430; AT E222970 T1 20020915; BR 9910855 A 20010306; BR 9910855 B1 20100921; CA 2333640 A1 19991209; CA 2333640 C 20061114; CZ 20004467 A3 20010411; CZ 291696 B6 20030514; DE 19824806 A1 19991209; DE 59902475 D1 20021002; EP 1084290 A1 20010321; EP 1084290 B1 20020828; ES 2183571 T3 20030316; JP 2002517620 A 20020618; JP 3608652 B2 20050112; KR 100516364 B1 20050926; KR 20010052565 A 20010625; PL 189958 B1 20051031; PL 344680 A1 20011119; WO 9963148 A1 19991209

DOCDB simple family (application)
US 70147500 A 20001129; AT 99927861 T 19990602; BR 9910855 A 19990602; CA 2333640 A 19990602; CZ 20004467 A 19990602; DE 19824806 A 19980603; DE 59902475 T 19990602; EP 9903852 W 19990602; EP 99927861 A 19990602; ES 99927861 T 19990602; JP 2000552336 A 19990602; KR 20007013732 A 20001204; PL 34468099 A 19990602