

Title (en)

Centrifugal pump with crushing device

Title (de)

Kreiselpumpe mit Zerkleinerungseinrichtung

Title (fr)

Pompe centrifuge avec un dispositif de broyage

Publication

**EP 1344944 B1 20040602 (DE)**

Application

**EP 03005084 A 20030307**

Priority

- DE 10211096 A 20020314
- DE 10305726 A 20030212

Abstract (en)

[origin: EP1344944A1] The pump has a shredding device for fibrous or particled material set in front of the pump rotor. The cutting head (8) of the shredding device has several axially aligned recesses (18) defined by webs which have cutting edges and which cover the inlet edges of the blades (11) of the rotor wheel and have a seamless transition into the contour of the blades whilst the recesses have a seamless transition into the channels (12) of the rotor.

IPC 1-7

**F04D 29/22**

IPC 8 full level

**F04D 7/04** (2006.01); **F04D 29/22** (2006.01)

CPC (source: EP)

**F04D 7/045** (2013.01); **F04D 29/2288** (2013.01)

Cited by

EP4108934A1; LU102841B1; EP4108927A1; LU102842B1; EP2113670A3; US11655821B2; DE102016225921A1; WO2018114511A1; EP2113670A2; DE102008021767A1; US10533557B2; US11168693B2; US11560894B2; DE102016225920A1; WO2018114507A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1344944 A1 20030917**; **EP 1344944 B1 20040602**; AT E268436 T1 20040615

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