

Title (en)
Slurry pump

Title (de)
Schlammpumpe

Title (fr)
Pompe à suspension

Publication
EP 2383471 A1 20111102 (EN)

Application
EP 10161379 A 20100428

Priority
EP 10161379 A 20100428

Abstract (en)
The invention relates to a slurry pump (1) comprising: - a housing having an inlet (2) and an outlet (3); - an annular rotor (6) with a central axis (8), the rotor being rotatably arranged in the housing; - a number of impeller vanes (7) arranged on the annular rotor and directed inwardly, wherein the path (15) of the tips (12) of the impeller vanes define the outer edge of a through flow area; and - driving means (9) to drive the annular rotor; barrier means (11) which are arranged in the inlet (2) and cover in view of the flow direction, during use of the pump, at least a bottom part of the rotor (6).

IPC 8 full level
F04D 3/00 (2006.01); **F04D 13/06** (2006.01); **F04D 29/18** (2006.01); **F04D 29/54** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP)
F04D 3/00 (2013.01); **F04D 7/00** (2013.01); **F04D 13/0646** (2013.01); **F04D 29/181** (2013.01); **F04D 29/186** (2013.01); **F04D 29/548** (2013.01); **F04D 29/708** (2013.01)

Citation (search report)

- [IY] FR 2681384 A1 19930319 - DORYOKURO KAKUNENRYO [JP]
- [YA] NL 8201160 A 19831017 - STAALVERWERKING STROOBOS B V
- [A] US 5181868 A 19930126 - GABRIEL REINHARD [DE]
- [A] BE 901181 A 19850315 - BULATOV GEORGES
- [A] WO 9739244 A1 19971023 - ARNOLD ARTHUR JOHN [GB], et al

Cited by
CN112352105A; CN110594165A; WO2020104785A1; WO2020005072A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA ME RS

DOCDB simple family (publication)
EP 2383471 A1 20111102

DOCDB simple family (application)
EP 10161379 A 20100428