

Title (en)
Easily cleanable centrifugal pump

Title (de)
Leicht zu reinigende Kreispumpe

Title (fr)
Pompe centrifuge facile à nettoyer

Publication
EP 1347178 B1 20050511 (DE)

Application
EP 03005190 A 20030308

Priority
DE 10212693 A 20020321

Abstract (en)
[origin: EP1347178A1] Centrifugal pump comprises a pump housing having a pump chamber (20) with a suction region (26) and a pushing region (27), a running wheel (4) which rotates about a running wheel axis (18) within the pump chamber, and a running wheel drive consisting of a reluctance motor. The motor has an electrical contact-less rotor (5) magnetically arranged within the pump chamber and a stator arranged on or in the housing section (3) of the pump surrounding the rotor. Preferred Features: The rotor is magnetically arranged in the radial as well as in the axial direction in the pump chamber. The running wheel is coupled directly with the rotor.

IPC 1-7
F04D 13/06; **F04D 29/04**; **F04D 29/62**

IPC 8 full level
F04D 13/06 (2006.01); **F04D 29/04** (2006.01); **F04D 29/048** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP)
F04D 13/0633 (2013.01); **F04D 13/064** (2013.01); **F04D 13/0646** (2013.01); **F04D 29/048** (2013.01); **F04D 29/628** (2013.01)

Cited by
DE102008038787A1; AU2009244607B2; US9601964B2; WO2009137318A1; US8696331B2; US8777596B2

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

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