

Title (en)  
Centrifugal pump

Title (de)  
Kreispumpe

Title (fr)  
Pompe centrifugale

Publication  
**EP 1256722 B1 20070221 (DE)**

Application  
**EP 02450114 A 20020507**

Priority  
AT 7592001 A 20010511

Abstract (en)  
[origin: EP1256722A2] The pump has a disk rotor electric motor for driving the pump directly connected to a pump impeller (6). A drive flange (18) protruding outwards in the radial direction on the outer periphery of the impeller has magnets (19) or windings (20) molded into it for contactlessly driving the impeller.

IPC 8 full level  
**F04D 13/06** (2006.01)

CPC (source: EP US)  
**F04D 13/0666** (2013.01 - EP US)

Cited by  
DE102007048019A1; DE102008064162A1; DE102008064162B4; US2013343935A1; US9546663B2; US8337157B2; US8353687B2; WO2013107804A3; EP1902220B1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 1256722 A2 20021113; EP 1256722 A3 20040102; EP 1256722 B1 20070221**; AT 414064 B 20060815; AT A7592001 A 20051115; DE 50209511 D1 20070405; US 2002166520 A1 20021114; US 6835051 B2 20041228

DOCDB simple family (application)  
**EP 02450114 A 20020507**; AT 7592001 A 20010511; DE 50209511 T 20020507; US 14094802 A 20020509