

Title (en)

Rotary pump with free flow wheel

Title (de)

Kreiselpumpe mit Freistromlaufrad

Title (fr)

Pompe centrifuge dotée d'un rotor de courant libre

Publication

EP 1840379 B1 20110622 (DE)

Application

EP 07005864 A 20070322

Priority

DE 202006005073 U 20060328

Abstract (en)

[origin: EP1840379A2] The pump has a free flow impeller wheel rotatably mounted in a housing and a blade-free chamber (7) between the impeller wheel and a housing wall (6) on the suction side and a device for preventing flow breakaway. At least one flow-influencing arrangement (10) with one or more parts is provided on the suction side housing wall to protrude into the blade-free chamber opposite the impeller wheel blades (4).

IPC 8 full level

F04D 5/00 (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP)

F04D 7/04 (2013.01); **F04D 29/445** (2013.01); **F05D 2250/51** (2013.01); **F05D 2260/604** (2013.01)

Cited by

DE102008030112A1; CN107709909A; CN101614209A; EP2138723A3; EP2138723A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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