

Title (en)
Centrifugal pump with free flow wheel

Title (de)
Kreispumpe mit Freistromlaufrad

Title (fr)
Pompe centrifuge dotée d'un rotor de courant libre

Publication
EP 2138723 B1 20170913 (DE)

Application
EP 09007443 A 20090605

Priority
DE 102008030112 A 20080627

Abstract (en)
[origin: EP2138723A2] The pump (1) has a free-flow impeller (3) rotatably arranged in a housing (2). A blade-less space (7) is arranged between a suction-side housing wall (6) and the impeller. An avoidance unit is provided for avoidance of separation of a flow. A single or multi-part flow influencing unit (10) is arranged at the suction-side housing and projects into the blade-less space. The flow influencing unit is provided with tearing units in the form of sharp edges and/or hardened edges. The housing wall and the influencing unit are formed as a component part of a housing cover (11).

IPC 8 full level
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CPC (source: EP)
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