

Title (en)
Centrifugal pump

Title (de)
Zentrifugalradpumpe

Title (fr)
Pompe à roue centrifuge

Publication
EP 1906026 B1 20100303 (DE)

Application
EP 07116609 A 20070917

Priority
• EP 06121159 A 20060922
• EP 07116609 A 20070917

Abstract (en)
[origin: EP1906025A1] The pump has an impeller (2) arranged in housing (3), where and impeller is rotatably supported around a rotational axis. A wearing part (5), which extends in a process direction of the rotational axis and surrounds a blade edge, is arranged within the pump housing such that the wearing part exhibits a gap with respect to the blade edge. The wearing part is movably supported with respect to the housing in such a manner that rotation of wearing part around the axis causes a movement of the wearing part in a direction of the axis to change the gap between an impeller edge and the wearing part. An independent claim is also included for a method for changing a position of a wearing part in a centrifugal wheel pump.

IPC 8 full level
F04D 7/04 (2006.01); **F04D 15/00** (2006.01)

CPC (source: EP)
F04D 7/04 (2013.01); **F04D 15/0033** (2013.01); **F04D 29/167** (2013.01); **F04D 29/4286** (2013.01); **F04D 29/622** (2013.01); **F04D 29/628** (2013.01)

Cited by
RU2707238C1; AU2015202357B2; AU2013202757B2; AU2013202758B2; AU2013202761B2; US9869326B2; CN102066770A; US2011158800A1; EP2315947A4; EP2315948A4; AU2009257193B2; CN103362871A; US8967953B2; EA023108B1; AP3711A; EA025659B1; US8790077B2; US9759224B2; US10047761B2; WO2009149512A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1906025 A1 20080402; AT E459803 T1 20100315; CN 101149055 A 20080326; CN 101149055 B 20101117; DE 502007002982 D1 20100415; DK 1906026 T3 20100531; EP 1906026 A1 20080402; EP 1906026 B1 20100303

DOCDB simple family (application)
EP 06121159 A 20060922; AT 07116609 T 20070917; CN 200710148031 A 20070829; DE 502007002982 T 20070917; DK 07116609 T 20070917; EP 07116609 A 20070917