

Title (en)
Motor pump

Title (de)
Motorpumpe

Title (fr)
Pompe de moteur

Publication
EP 2236835 B1 20130807 (EN)

Application
EP 10155912 A 20100309

Priority
JP 2009074012 A 20090325

Abstract (en)
[origin: EP2236835A1] A motor pump includes : a case having a cavity; a suction pipe; an ejection pipe; a drive motor; and an impeller fixed to a drive shaft of the drive motor, wherein the impeller includes a bearing portion configured to be fixed to the drive shaft and blade portions protruding in radial direction from the bearing portion, wherein each of the blade portions includes a base portion formed to continue from the bearing portion and a tip portion formed to continue from the base portion, wherein the base portion of each of the blade portions is formed to be convexly curved toward a rotational direction of the impeller, and wherein the tip portion of each of the blade portions is formed to be convexly curved toward a backward direction opposite the rotational direction.

IPC 8 full level
F04D 13/06 (2006.01); **F04D 29/24** (2006.01)

CPC (source: EP)
F04D 13/06 (2013.01); **F04D 29/242** (2013.01); **F04D 29/245** (2013.01)

Cited by
CN106194823A; US10584705B2; EP3088738A1; CN106194756A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2236835 A1 20101006; **EP 2236835 B1 20130807**; CN 101846084 A 20100929; CN 101846084 B 20140716; JP 2010223168 A 20101007; JP 5393217 B2 20140122

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