

Title (en)

Impeller of a pump unit and corresponding pump unit

Title (de)

Lauftrad für ein Pumpenaggregat und zugehöriges Pumpenaggregat

Title (fr)

Roue pour une unité de pompage et unité de pompage correspondante

Publication

EP 1811184 B1 20080130 (DE)

Application

EP 05028030 A 20051221

Priority

EP 05028030 A 20051221

Abstract (en)

[origin: EP1811184A1] The impeller has two cover plates (2, 4), which are spaced apart from one another in an axial direction (X) and are connected to one another. Blade parts (12, 14) are arranged between the two cover plates and extend from an inner diameter of the impeller to an outer diameter of the impeller. The blade parts have a continuous slot (16) extending from inner edges of the blade parts situated at the inner diameter of the impeller to outer edges (26, 28) of the blade parts situated at the outer diameter of the impeller. The impeller is made of plastic.

IPC 8 full level

F04D 29/22 (2006.01); **F04D 29/24** (2006.01); **F04D 7/04** (2006.01)

CPC (source: EP US)

F04D 29/2288 (2013.01 - EP US); **F04D 29/24** (2013.01 - EP US)

Cited by

RU2470191C2; US8511966B2; WO2009022019A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1811184 A1 20070725; **EP 1811184 B1 20080130**; AT E385290 T1 20080215; CN 101326372 A 20081217; CN 101326372 B 20110622; DE 502005002739 D1 20080320; US 2009169374 A1 20090702; US 8251663 B2 20120828; WO 2007079890 A1 20070719

DOCDB simple family (application)

EP 05028030 A 20051221; AT 05028030 T 20051221; CN 200680046491 A 20061213; DE 502005002739 T 20051221; EP 2006011990 W 20061213; US 15846206 A 20061213