

Title (en)

Rotor for a rotary pump

Title (de)

Lauftrad für eine Kreiselpumpe

Title (fr)

Roue de rotor pour une pompe centrifuge

Publication

EP 2228541 A1 20100915 (DE)

Application

EP 09003369 A 20090309

Priority

EP 09003369 A 20090309

Abstract (en)

The impeller has a pair of blades (3a, 3b) arranged on a circular carrying disk (1) and exhibiting same size and shape. The blades form a dead space and arranged at distance to a radial outer end and a radial inner end of one of the blades. A cover disk is provided for covering the impeller, and the blades are positioned such that the other blade radially projects over the carrying disk and/or the cover disk. The carrying disk, the cover disk and the blades are made of metal i.e. sheet metal, and connected by welding.

Abstract (de)

Das Lauftrad für eine Kreiselpumpe weist eine Tragscheibe und ggf. eine Deckscheibe auf. Die Schaufeln (3) des Laufrades sind identisch, jedoch paarweise so angeordnet, dass sich mit formgleichen Schaufeln Laufräder unterschiedlicher hydraulischer Eigenschaften bilden.

IPC 8 full level

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

CPC (source: EP US)

F04D 29/2222 (2013.01 - EP US); **F04D 29/242** (2013.01 - EP US)

Citation (search report)

- [X] DE 4139293 A1 19930603 - INST VERBUNDWERKSTOFFE GMBH [DE]
- [X] US 2003002985 A1 20030102 - TSUI SHU-CHEN [TW]
- [X] US 3362338 A 19680109 - CHAPPLE STETHEM WALTER
- [X] GB 2260788 A 19930428 - JAGUAR CARS [GB]

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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2228541 A1 20100915; **EP 2228541 B1 20121114**; CN 101832291 A 20100915; CN 101832291 B 20150513; TW 201033473 A 20100916; TW I495795 B 20150811; US 2010226773 A1 20100909; US 8740569 B2 20140603

DOCDB simple family (application)

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