

Title (en)

IMPELLER, CENTRIFUGAL FLUID MACHINE, AND FLUID DEVICE

Title (de)

LAUFRAD, FLÜSSIGKEITSSCHLEUDERMASCHINE UND FLÜSSIGKEITSVORRICHTUNG

Title (fr)

ROTOR, MACHINE CENTRIFUGE POUR FLUIDE, ET DISPOSITIF DE FLUIDE

Publication

**EP 3214315 A4 20180620 (EN)**

Application

**EP 15854757 A 20150518**

Priority

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- JP 2015064175 W 20150518

Abstract (en)

[origin: EP3214315A1] An impeller is provided with: a disk rotating about an axis; and a plurality of blades (23) provided on the disk at intervals in a circumferential direction about the axis. Thicknesses of the blades (23) gradually decrease from a disk side toward a tip side, and a decrease rate of the thicknesses gradually decreases from the disk side toward the tip side.

IPC 8 full level

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CPC (source: EP US)

**F04D 25/02** (2013.01 - US); **F04D 29/242** (2013.01 - EP US); **F04D 29/284** (2013.01 - EP US); **F04D 29/30** (2013.01 - EP US); **F05D 2240/301** (2013.01 - EP US)

Citation (search report)

- [X1] US 2006067829 A1 20060330 - VRBAS GARY D [US], et al
- [X1] WO 2014016084 A1 20140130 - CONTINENTAL AUTOMOTIVE GMBH [DE] & US 2015204195 A1 20150723 - KLAUS MICHAEL [DE], et al
- [X1] WO 2009065030 A2 20090522 - BORGWARNER INC [US], et al
- See references of WO 2016067666A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 15854757 A 20150518**; CN 201580043827 A 20150518; JP 2014218191 A 20141027; JP 2015064175 W 20150518; US 201515513706 A 20150518