

Title (en)
IMPELLER AND ROTARY MACHINE

Title (de)
LAUFRAD UND DREHMASCHINE

Title (fr)
IMPULSEUR, ET MACHINE TOURNANTE

Publication
EP 3211241 A1 20170830 (EN)

Application
EP 15865836 A 20151009

Priority
• JP 2014245157 A 20141203
• JP 2015078778 W 20151009

Abstract (en)
This impeller is equipped with: an impeller body (31) for rotating around an axis (O) along with a rotating shaft (2), formed from a resin and shaped as a disk; compressor blades (25) provided on a hub surface (31a) of the impeller body (31); and a reinforcing ring (41) which is formed from a resin and reinforcing fibers in a ring shape extending in the circumferential direction, and engages, from the outer peripheral side, a step section (36) formed in the back surface (32) of the impeller body (31) and having a fitting surface (37) facing the outer peripheral side.

IPC 8 full level
F04D 29/28 (2006.01); **F04D 29/02** (2006.01)

CPC (source: EP US)
F04D 17/10 (2013.01 - US); **F04D 29/023** (2013.01 - EP US); **F04D 29/284** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US)

Designated contracting state (EPC)
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Designated extension state (EPC)
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