

Title (en)
IMPELLER AND ROTARY MACHINE

Title (de)
LAUFRAD UND ROTIERENDE MASCHINE

Title (fr)
IMPULSEUR, ET MACHINE TOURNANTE

Publication
EP 3211241 B1 20201202 (EN)

Application
EP 15865836 A 20151009

Priority
• JP 2014245157 A 20141203
• JP 2015078778 W 20151009

Abstract (en)
[origin: EP3211241A1] 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)

Citation (examination)
US 2008286113 A1 20081120 - YOO MYUNG-KEUN [KR], et al

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

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DOCDB simple family (application)
EP 15865836 A 20151009; CN 201580065062 A 20151009; JP 2014245157 A 20141203; JP 2015078778 W 20151009; US 201515531567 A 20151009