

Title (en)
CENTRIFUGAL FAN

Title (de)
ZENTRIFUGALGEBLÄSE

Title (fr)
VENTILATEUR CENTRIFUGE

Publication
EP 2937570 A4 20160824 (EN)

Application
EP 13865117 A 20131218

Priority
• JP 2012278769 A 20121221
• JP 2013007447 W 20131218

Abstract (en)
[origin: EP2937570A1] A centrifugal fan (23) includes a hub (15), a plurality of blades (21), and a shroud (19). The blades (21) each have a curved part (21d) that is curved to incline toward a side (21c1) on which air impinges when a connected end (21c) connected to an inwardly protruding portion of the shroud (19) moves in a rotating direction of the centrifugal fan (23). The hub (15) includes a hub-side diffuser ring (27) that protrudes radially outward of the blades (21). The shroud (19) includes a shroud-side diffuser ring (26) that protrudes radially outward of the blades (21).

IPC 8 full level
F04D 29/30 (2006.01); **F04D 29/28** (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP US)
F04D 17/10 (2013.01 - US); **F04D 29/281** (2013.01 - EP US); **F04D 29/288** (2013.01 - EP US); **F04D 29/30** (2013.01 - EP US); **F04D 29/441** (2013.01 - US)

Citation (search report)
• [Y] DE 102011013841 A1 20120920 - NICOTRA GEBHARDT GMBH [DE]
• [Y] EP 2213882 A1 20100804 - DAIKIN IND LTD [JP]
• See references of WO 2014097627A1

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

DOCDB simple family (publication)
EP 2937570 A1 20151028; EP 2937570 A4 20160824; BR 112015014728 A2 20170711; CN 104903590 A 20150909; CN 104903590 B 20160309; JP 2014139432 A 20140731; JP 5522306 B1 20140618; US 2015354584 A1 20151210; WO 2014097627 A1 20140626

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EP 13865117 A 20131218; BR 112015014728 A 20131218; CN 201380063138 A 20131218; JP 2013007447 W 20131218; JP 2013258100 A 20131213; US 201314654391 A 20131218