

Title (en)
DIAGONAL FLOW FAN

Title (de)
DIAGONALLÜFTER

Title (fr)
VENTILATEUR À ÉCOULEMENT DIAGONAL

Publication
EP 3211247 B1 20191127 (EN)

Application
EP 14904616 A 20141022

Priority
CN 2014089118 W 20141022

Abstract (en)
[origin: US2017045060A1] A diagonal flow fan includes an air duct, a motor, a fan wheel, a blade, an air guiding ring, and a wheel hub, the air guiding ring has one end connected to the air duct, and the blade and the wheel hub are located inside the fan wheel, the blade has one end connected to the wheel hub and another end connected to the fan wheel, wherein the motor is located inside the wheel hub and connected to the wheel hub, the air guiding ring has another end located at an inner side of the fan wheel, and a gap exists between the air guiding ring and the fan wheel.

IPC 8 full level
F04D 29/52 (2006.01); **F04D 25/08** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)
F04D 17/06 (2013.01 - EP US); **F04D 25/06** (2013.01 - US); **F04D 25/08** (2013.01 - US); **F04D 29/162** (2013.01 - EP US); **F04D 29/325** (2013.01 - US); **F04D 29/526** (2013.01 - US); **F04D 29/541** (2013.01 - US); **F04D 29/662** (2013.01 - EP US)

Cited by
CN110566481A

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)
US 2017045060 A1 20170216; CN 106471259 A 20170301; EP 3211247 A1 20170830; EP 3211247 A4 20181024; EP 3211247 B1 20191127; WO 2016061747 A1 20160428

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US 201415306033 A 20141022; CN 2014089118 W 20141022; CN 201480080248 A 20141022; EP 14904616 A 20141022