

Title (en)
CROSS-FLOW FAN AND AIR CONDITIONER

Title (de)
QUERSTROMLÜFTER UND KLIMAAANLAGE

Title (fr)
VENTILATEUR TANGENTIEL ET CLIMATISEUR

Publication
EP 3064776 A4 20170719 (EN)

Application
EP 13896431 A 20131029

Priority
JP 2013079217 W 20131029

Abstract (en)
[origin: EP3064776A1] An impeller (8a) of a cross-flow fan (8) includes a plurality of support plates (8b) and a plurality of blades (8c). Each blade (8c) is shaped such that each of an outer peripheral end portion (15a) and an inner peripheral end portion (15b) is advanced again in a rotational direction after being retreated in the rotational direction from one corresponding support plate toward the other corresponding support plate, or is retreated again in the rotational direction after being advanced in the rotational direction from one corresponding support plate toward the other corresponding support plate.

IPC 8 full level
F04D 17/04 (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP)
F04D 17/04 (2013.01); **F04D 29/283** (2013.01); **F04D 29/30** (2013.01); **F04D 29/665** (2013.01)

Citation (search report)

- [XY] JP H09250493 A 19970922 - HITACHI LTD
- [YA] EP 2345814 A2 20110720 - LG ELECTRONICS INC [KR]
- [YA] WO 2013150673 A1 20131010 - MITSUBISHI ELECTRIC CORP [JP], et al
- [A] CN 1603631 A 20050406 - WU JINGSONG [CN]
- See references of WO 2015063851A1

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US10962275B2

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 3064776 A1 20160907; **EP 3064776 A4 20170719**; **EP 3064776 B1 20200325**; JP WO2015063851 A1 20170309;
WO 2015063851 A1 20150507

DOCDB simple family (application)
EP 13896431 A 20131029; JP 2013079217 W 20131029; JP 2015544651 A 20131029