

Title (en)
CROSS-FLOW FAN AND AIR CONDITIONER

Title (de)
QUERSTROMLÜFTER UND KLIMAAANLAGE

Title (fr)
VENTILATEUR À FLUX TRANSVERSAL ET CLIMATISEUR

Publication
EP 3064777 A4 20170719 (EN)

Application
EP 14859194 A 20141029

Priority
• JP 2013079215 W 20131029
• JP 2014078719 W 20141029

Abstract (en)
[origin: EP3064777A1] A cross-flow fan (8) includes an impeller (8a) and a shaft configured to support the impeller (8a) in a rotatable manner. The impeller (8a) of the cross-flow fan (8) includes a plurality of support plates (8b) and a plurality of blades (8c) arranged between a pair of the support plates (8b) at intervals in a circumferential direction. Each of the plurality of blades (8c) has an outer diameter and an inner diameter that are identical in a rotational axis direction between the pair of support plates (8b), and includes at least one region that is advanced or retreated in a rotational direction.

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); **F04D 29/667** (2013.01)

Citation (search report)
• [XY] JP H09250493 A 19970922 - HITACHI LTD
• [YA] WO 2013150673 A1 20131010 - MITSUBISHI ELECTRIC CORP [JP], et al
• [YA] EP 2345814 A2 20110720 - LG ELECTRONICS INC [KR]
• [A] CN 1603631 A 20050406 - WU JINGSONG [CN]
• See references of WO 2015064617A1

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 3064777 A1 20160907; EP 3064777 A4 20170719; JP WO2015064617 A1 20170309; WO 2015063850 A1 20150507;
WO 2015064617 A1 20150507

DOCDB simple family (application)
EP 14859194 A 20141029; JP 2013079215 W 20131029; JP 2014078719 W 20141029; JP 2015545256 A 20141029