

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)  
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DOCDB simple family (application)  
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