

Title (en)  
Cross-flow fan and air conditioner equipped therewith

Title (de)  
Querstromlüfter und Klimaanlage damit

Title (fr)  
Ventilateur à flux croisé et climatiseur doté de celui-ci

Publication  
**EP 2345814 A3 20121010 (EN)**

Application  
**EP 11150299 A 20110106**

Priority  
KR 20100003044 A 20100113

Abstract (en)  
[origin: EP2345814A2] Provided are a cross-flow fan and an air conditioner including the same. A blade constituting the cross-flow fan may be changed in shape to reduce a turbulence intensity of a discharge part of the fan and noises of the fan.

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

CPC (source: EP KR)  
**F04D 17/04** (2013.01 - EP KR); **F04D 29/283** (2013.01 - EP KR); **F04D 29/30** (2013.01 - EP); **F04D 29/663** (2013.01 - KR);  
**F04D 29/681** (2013.01 - KR); **F24F 1/0025** (2013.01 - KR)

Citation (search report)

- [XA] JP H0914182 A 19970114 - DAIKIN IND LTD
- [A] JP 2009133271 A 20090618 - MITSUBISHI ELECTRIC CORP
- [A] JP 2006002691 A 20060105 - CALSONIC KANSEI CORP

Cited by  
JPWO2015063851A1; EP3064776A4; JPWO2015064617A1; EP3064777A4; WO2015063851A1; WO2015063850A1; WO2015064617A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2345814 A2 20110720; EP 2345814 A3 20121010; EP 2345814 B1 20150408**; CN 102128172 A 20110720; CN 102128172 B 20130626;  
KR 101649379 B1 20160830; KR 20110083043 A 20110720

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**EP 11150299 A 20110106**; CN 201110021057 A 20110113; KR 20100003044 A 20100113