Title (en)
SIROCCO FAN AND AIR CONDITIONER

Title (de)
SCIROCCO-LÜFTER UND KLIMAANLAGE

Title (fr)
VENTILATEUR SIROCCO ET CONDITIONNEUR D'AIR

Publication
**EP 2131041 B1 20180822 (EN)**

Application
**EP 08722746 A 20080325**

Priority
- JP 2008055483 W 20080325
- JP 2007081120 A 20070327

Abstract (en)
[origin: EP2131041A1] To provide a sirocco fan capable of reducing a noise value and a number of revolutions when obtaining a predetermined air-blowing amount and an air-conditioning apparatus provided with the sirocco fan. In the sirocco fan, when a fan diameter is defined as D, a maximum warp height is defined as H, a blade chord length is defined as L, a radius of a front edge at an inner circumferential side of the blade is defined as R, a blade inlet angle is defined as $²1$, and a blade exit angle is defined as $²2$, the following formulas are satisfied, $0.18 #¤ H/L #¤ 0.26$, $R/L #¤ 0.11$, $100° #¤ ²1 #¤ 130°$, and $26° #¤ ²2 #¤ 32°$.

IPC 8 full level
**F04D 29/28** (2006.01); **F04D 29/30** (2006.01); **F24F 1/00** (2011.01); **F24F 7/007** (2006.01)

CPC (source: EP KR)
**F04D 29/282** (2013.01 - EP); **F04D 29/30** (2013.01 - EP KR); **F04D 29/38** (2013.01 - KR); **F04D 29/66** (2013.01 - KR); **F24F 1/00** (2013.01 - KR); **F24F 1/0022** (2013.01 - EP); **F24F 1/0047** (2019.01 - EP); **F24F 1/0057** (2019.01 - EP); **F24F 7/007** (2013.01 - EP); F05D 2250/70 (2013.01 - EP)

Cited by
US10428838B2; EP3034885A4; CN109312757A; WO2017205031A1; US10024332B2; US10323853B2; EP3150858B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
**EP 2131041 A1 20091209**; **EP 2131041 A4 20131113**; **EP 2131041 B1 20180822**; AU 2008236113 A1 20081016; AU 2008236113 B2 20101118; CN 101595309 A 20091202; CN 101595309 B 20110713; ES 2689721 T3 20181115; HK 1135161 A1 20100528; JP 5235867 B2 20130710; JP WO2008123212 A1 20100715; KR 101122802 B1 20120322; KR 20090086640 A 20090813; TW 200916662 A 20090416; TW I352779 B 20111121; WO 2008123212 A1 20081016

DOCDB simple family (application)
**EP 08722746 A 20080325**; AU 2008236113 A 20080325; CN 200880002827 A 20080325; ES 08722746 T 20080325; HK 10101627 A 20100212; JP 2008055483 W 20080325; JP 2009509103 A 20080325; KR 20097014173 A 20080325; TW 97110726 A 20080326