

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 θ_1 , and a blade exit angle is defined as θ_2 , the following formulas are satisfied, $0.18 \leq H/L \leq 0.26$, $R/L \leq 0.11$, $100^\circ \leq \theta_1 \leq 130^\circ$, and $26^\circ \leq \theta_2 \leq 32^\circ$.

IPC 8 full level
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CPC (source: EP KR)
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Cited by
US10428838B2; EP3034885A4; CN109312757A; WO2017205031A1; US10024332B2; US10323853B2; EP3150858B1

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