

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 2918924 A4 20161012 (EN)

Application
EP 13842440 A 20130820

Priority
• JP 2012215535 A 20120928
• JP 2013072147 W 20130820

Abstract (en)
[origin: EP2918924A1] Wind noise is suppressed by restraining the disturbance of a vortex airflow. At a leading end portion of at least one of a stabilizer 32 and a rear guider 20, first level-difference portions 28a to 28c each of which decreases in height in the axial direction toward a central part M of a fan 10 and second level-difference portions 28d and 28e each of which increases in height in the axial direction toward the central part M of the fan 10 are formed to be lined up in the axial direction. A variation in height of at least one of the first level-difference portions 28a to 28c within a predetermined length in the axial direction is equal to a first predetermined value which is smaller than a variation of height of each of the second level-difference portions 28d and 28e.

IPC 8 full level
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CPC (source: CN EP)
F04D 17/04 (2013.01 - CN EP); **F04D 29/283** (2013.01 - CN); **F04D 29/422** (2013.01 - CN EP); **F04D 29/441** (2013.01 - CN EP); **F04D 29/663** (2013.01 - EP); **F04D 29/665** (2013.01 - EP); **F04D 29/666** (2013.01 - CN); **F04D 29/667** (2013.01 - EP); **F24F 1/0025** (2013.01 - CN EP); **F24F 1/0047** (2019.01 - CN EP); **F24F 13/24** (2013.01 - CN EP); **F04D 29/283** (2013.01 - EP)

Citation (search report)
• [A] JP S5020213 U 19750307
• [A] JP S62131994 A 19870615 - MATSUSHITA ELECTRIC IND CO LTD
• [A] JP H11294376 A 19991026 - CALSONIC CORP
• See references of WO 2014050364A1

Cited by
EP3527908A4; US11306924B2

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

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