

Title (en)
CENTRIFUGAL BLOWER AND AIR CONDITIONER USING THE SAME

Title (de)
ZENTRIFUGALGEBLÄSE UND DIESES VERWENDENDE KLIMAAANLAGE

Title (fr)
VENTILATEUR CENTRIFUGE ET CLIMATISEUR UTILISANT LE VENTILATEUR

Publication
EP 1887227 A1 20080213 (EN)

Application
EP 06746380 A 20060515

Priority
• JP 2006309633 W 20060515
• JP 2005154299 A 20050526

Abstract (en)
A centrifugal air blower includes an impeller having a plurality of blades provided between a shroud and a main plate, the shroud side end portion on a blade front edge is formed into a curved shape, and a relationship of $R_1 < R_2$ is established in a case where the curvature radius of a positive pressure surface side of the curved end portion is R_1 and the curvature radius of a negative pressure surface side is R_2 .

IPC 8 full level
F04D 29/30 (2006.01)

CPC (source: EP KR)
F04D 29/281 (2013.01 - EP); **F04D 29/282** (2013.01 - EP); **F04D 29/30** (2013.01 - EP KR); **F05D 2240/303** (2013.01 - EP)

Citation (search report)
See references of WO 2006126408A1

Cited by
US11085459B2; EP4234943A4; EP2385258A4; US2018051708A1; US10837456B2; US8956118B2

Designated contracting state (EPC)
GB IT

DOCDB simple family (publication)
EP 1887227 A1 20080213; CN 101184922 A 20080521; JP 4693842 B2 20110601; JP WO2006126408 A1 20081225; KR 100917091 B1 20090915; KR 20080003444 A 20080107; WO 2006126408 A1 20061130

DOCDB simple family (application)
EP 06746380 A 20060515; CN 200680018206 A 20060515; JP 2006309633 W 20060515; JP 2007517774 A 20060515; KR 20077027307 A 20071123