

Title (en)

DUAL REVERSAL-ROTATING TYPE AXIAL BLOWER

Title (de)

Doppelt-Axialgebläse mit gegenläufig drehenden Rotoren

Title (fr)

Ventilateur axial double avec des rotors tournants contrairement

Publication

EP 2172655 B1 20181024 (EN)

Application

EP 08790949 A 20080708

Priority

- JP 2008062312 W 20080708
- JP 2007183756 A 20070712

Abstract (en)

[origin: EP2172655A1] A counter-rotating axial flow fan is provided, in which vibration generation may be reduced more than ever in a wide rotational speed range including a high speed range. A disk-shaped cushioning member 71 is disposed between a circular plate portion 23b of a first support frame main body half portion 23 and a circular plate portion 53b of a second support frame main body half portion 53. The cushioning member 71 is disposed as it is compressed with hook portions 49 forming a plurality of engaging portions and hole portions 19e forming a plurality of engaged portions completely engaged with each other.

IPC 8 full level

F04D 19/00 (2006.01); **F04D 29/64** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)

F04D 19/007 (2013.01 - EP US); **F04D 29/646** (2013.01 - EP US); **F04D 29/668** (2013.01 - EP US)

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 2172655 A1 20100407; **EP 2172655 A4 20170405**; **EP 2172655 B1 20181024**; CN 101755130 A 20100623; CN 101755130 B 20121017; JP 5386353 B2 20140115; JP WO2009008415 A1 20100909; TW 200918760 A 20090501; US 2010189544 A1 20100729; WO 2009008415 A1 20090115

DOCDB simple family (application)

EP 08790949 A 20080708; CN 200880024236 A 20080708; JP 2008062312 W 20080708; JP 2009522647 A 20080708; TW 97126100 A 20080710; US 66858108 A 20080708