

Title (en)

IMPELLER, AND ELECTRIC BLOWER AND ELECTRIC CLEANER PROVIDED WITH IMPELLER

Title (de)

ANTRIEB, ELEKTRISCHES GEBLÄSE UND ELEKTRISCHER STAUBSAUGER DAMIT

Title (fr)

IMPULSEUR, SOUFFLANTE ÉLECTRIQUE ET APPAREIL ÉLECTRIQUE DE NETTOYAGE MUNIS DE L'IMPULSEUR

Publication

**EP 2441962 A1 20120418 (EN)**

Application

**EP 11791190 A 20110512**

Priority

- JP 2011002643 W 20110512
- JP 2010147074 A 20100629

Abstract (en)

An impeller (1) includes a front shroud (20) having a first opening (20a) at its center, a rear shroud (21) placed separately from the front shroud (20) with a space therebetween, multiple blades (22) held by and between the front shroud (20) and the rear shroud (21) and extending from a center toward an outer circumference of the rear shroud (21), and an inducer (23) placed at the center of the rear shroud (21). The inducer (23) includes an upper inducer (24) placed at the front shroud (20) side and a lower inducer (27) place at the rear shroud (21) side.

IPC 8 full level

**F04D 29/28** (2006.01); **F04D 17/10** (2006.01)

CPC (source: EP)

**F04D 29/282** (2013.01); **F04D 29/285** (2013.01)

Cited by

US10584712B2

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

DOCDB simple family (publication)

**EP 2441962 A1 20120418**; **EP 2441962 A4 20130102**; **EP 2441962 B1 20141112**; CN 102510954 A 20120620; JP 2012012937 A 20120119; TW 201200091 A 20120101; WO 2012001861 A1 20120105

DOCDB simple family (application)

**EP 11791190 A 20110512**; CN 201180003901 A 20110512; JP 2010147074 A 20100629; JP 2011002643 W 20110512; TW 100116830 A 20110513