

Title (en)

IMPELLER, ELECTRIC AIR BLOWER USING SAME, AND ELECTRIC CLEANER USING ELECTRIC AIR BLOWER

Title (de)

ANTREIBER, ELEKTRISCHES GEBLÄSE DAMIT UND ELEKTRISCHER REINIGER MIT DEM ELEKTRISCHEN GEBLÄSE

Title (fr)

ROUE, VENTILATEUR ÉLECTRIQUE METTANT EN UVRE CETTE ROUE, ET ASPIRATEUR ÉLECTRIQUE METTANT EN UVRE CE VENTILATEUR ÉLECTRIQUE

Publication

**EP 2538087 A4 20150121 (EN)**

Application

**EP 11744411 A 20110216**

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- JP 2011000841 W 20110216

Abstract (en)

[origin: US2012294739A1] An impeller of the present invention includes a front surface shroud including an air intake port; a back surface shroud provided facing the front surface shroud; a first inducer provided between the front surface shroud and the back surface shroud and including a plurality of first blade sections provided around a first hub portion; a second inducer including a plurality of second blade sections connected to the first blade section of the first inducer and provided around a second hub portion; and a plurality of blades connected to the second blade section of the second inducer. A multi-blade structure of the inducer thus can be realized, and an impeller of high performance and low noise can be provided.

IPC 8 full level

**A47L 5/22** (2006.01); **A47L 9/00** (2006.01); **F04D 17/06** (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP US)

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Citation (search report)

- [XAI] JP 2004308647 A 20041104 - HITACHI IND CO LTD
- [XI] EP 1923572 A2 20080521 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [X] FR 793823 A 19360201 - LORENZEN G M B H C
- [A] CH 253325 A 19480229 - SULZER AG [CH]
- See references of WO 2011102120A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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