

Title (en)

IMPELLER OF CENTRIFUGAL BLOWER, AND CENTRIFUGAL BLOWER HAVING THE IMPELLER

Title (de)

LAUFRAD FÜR ZENTRIFUGALGEBLÄSE UND DAS LAUFRAD ENTHALTENDES ZENTRIFUGALGEBLÄSE

Title (fr)

IMPULSEUR POUR SOUFFLANTE CENTRIFUGE ET SOUFFLANTE CENTRIFUGE DOTEES DUDIT IMPULSEUR

Publication

EP 1411248 A4 20100331 (EN)

Application

EP 02738677 A 20020612

Priority

- JP 0205882 W 20020612
- JP 2001196177 A 20010628
- JP 2001196178 A 20010628

Abstract (en)

[origin: EP1411248A1] An impeller allowing noise to be reduced and a low noise centrifugal blower, the multi-vane centrifugal blower (40) comprising mainly an impeller (43), a casing (11) covering the impeller, and a motor (14) rotating the impeller, wherein the impeller is so formed that a number of blades (33) are fixed to the outer peripheral edge of a disk-like main plate (61) and the other ends of the plurality of blades are connected to each other through an annular side plate (62), the plurality of blades are formed on the outer peripheral edge of the main plate at equal intervals in rotating direction, an irregular waveform shape (64) is formed near the inner peripheral edge part of the number of blades along the periphery of the inner peripheral edge part, and an irregular waveform (66) is formed on the surface of the side plate on the main plate side.

IPC 8 full level

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CPC (source: EP)

F04D 29/283 (2013.01); **F04D 29/667** (2013.01); **F04D 29/681** (2013.01)

Citation (search report)

- [X] GB 1140688 A 19690122 - TURBOWERKE MEIA EIN VEB
- [X] JP S5859397 A 19830408 - HITACHI LTD
- [X] JP S5654993 A 19810515 - HITACHI LTD
- See references of WO 03002873A1

Cited by

CN103216452A; US8870541B2; US8932019B2

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