

Title (en)

FAN WITH SOUND-INSULATED FAN HOUSING

Title (de)

LÜFTER MIT SCHALLGEDÄMPFTEM LÜFTERGEHÄUSE

Title (fr)

VENTILATEUR POURVU D'UN BOÎTIER DE VENTILATEUR INSONORISÉ

Publication

EP 2766610 B1 20181121 (DE)

Application

EP 12775605 A 20120919

Priority

- DE 102011115530 A 20111011
- DE 2012000921 W 20120919

Abstract (en)

[origin: CA2851745A1] A fan (1) that is to be used primarily in underground mining and tunnel construction has a tubular fan housing (2), the inner wall (5) of which has sound-conducting openings (24, 25) that are designed in a specific manner. Said sound-conducting openings (24, 25), which are generally annular, annularly leave enough surrounding material (23) in the segment (16) that supports the fan wheel (9) and the drive (10) in order to thus ensure the secure and precise arrangement of the two components. The inner wall (5) is omitted in the remaining region, said outer wall (4) and/or the coupling wall (3) as such being designed to compensate for the effect of the sound-conducting openings.

IPC 8 full level

F04D 29/54 (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)

F04D 29/547 (2013.01); **F04D 29/664** (2013.01)

Cited by

EP4174323A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 102011115530 A1 20130411; CA 2851745 A1 20130418; CA 2851745 C 20170815; EP 2766610 A1 20140820; EP 2766610 B1 20181121; WO 2013053342 A1 20130418

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