

Title (en)  
Fan casing

Title (de)  
Lüftergehäuse

Title (fr)  
Boîtier d'un ventilateur

Publication  
**EP 1106837 B1 20060419 (FR)**

Application  
**EP 00126610 A 20001204**

Priority  
FR 9915344 A 19991206

Abstract (en)  
[origin: EP1106837A1] The housing for a ventilator has an annular turbine (25) with vanes (26), driven by a motor (28). The turbine has a volute housing (20) defining an air outlet passage. The volute has an internal wall (35) with a radius having an exponential angular increase defined by a given formula. This uses the dimensions of the inner wall radius and an expansion constant with a defined range of values.

IPC 8 full level  
**F04D 29/42** (2006.01)

CPC (source: EP)  
**F04D 29/4233** (2013.01)

Cited by  
EP2634434A4; EP2381110A2; DE102010028067A1

Designated contracting state (EPC)  
DE ES GB IT

DOCDB simple family (publication)  
**EP 1106837 A1 20010613; EP 1106837 B1 20060419**; DE 60027393 D1 20060524; DE 60027393 T2 20070510; ES 2262481 T3 20061201;  
FR 2801941 A1 20010608; FR 2801941 B1 20020208

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**EP 00126610 A 20001204**; DE 60027393 T 20001204; ES 00126610 T 20001204; FR 9915344 A 19991206