

Title (en)

FAN, IN PARTICULAR SIDE CHANNEL FAN

Title (de)

GEBLÄSE, INSBESONDERE SEITENKANALGEBLÄSE

Title (fr)

SOUFFLANTE, EN PARTICULIER SOUFFLANTE À CANAL LATÉRAL

Publication

EP 3171031 B1 20200318 (DE)

Application

EP 16198616 A 20161114

Priority

DE 102015119943 A 20151118

Abstract (en)

[origin: RU2643907C1] FIELD: ventilation.SUBSTANCE: fan-side channel blower includes (12) with a hole (14) to the shaft, which is rotating around an axis (a) rotation (20) fan motor-blower, and the shaft (20) with respect to motor Hull (12) fan-blower installed using bearing (32) shaft. Bearing (32) shaft includes a hardcoded on the shaft (20) of the electric motor of the inner ring (34) bearing and hardcoded in the hull (12) fan-blower outer ring (36) bearing. The shaft hole (14) in the axial end region (16) has a first radial expansion region (38) for preparing the bearing space (40). The outer ring (36) of the bearing is fixed axially between the annular bottom region (44) of the first radial expansion region (38) and the annular region (50) of the plastic shaping of the blower fan housing (12).EFFECT: efficiency enhancement.10 cl, 4 dwg

IPC 8 full level

F04D 23/00 (2006.01); **F04D 29/059** (2006.01)

CPC (source: EP RU)

F04D 23/008 (2013.01 - EP); **F04D 29/059** (2013.01 - EP); **F04D 29/05** (2013.01 - RU)

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 3171031 A1 20170524; **EP 3171031 B1 20200318**; DE 102015119943 A1 20170518; RU 2643907 C1 20180206

DOCDB simple family (application)

EP 16198616 A 20161114; DE 102015119943 A 20151118; RU 2016145103 A 20161117