

Title (en)

STIFFENED FAN HOUSING PART FOR USE IN A GAS BLOWER

Title (de)

VERSTEIFTES GEBLÄSEGEHÄUSETEIL ZUR ANORDNUNG AN EINEM GASGEBLÄSE

Title (fr)

PIÈCE RIGIDE DE BOÎTIER DE VENTILATEUR DESTINÉE À ÊTRE AGENCÉE SUR UNE SOUFFLERIE À GAZ

Publication

EP 3751151 B1 20230315 (DE)

Application

EP 20170151 A 20200417

Priority

DE 102019115741 A 20190611

Abstract (en)

[origin: CN211230992U] The utility model relates to an air blower shell component and an air blower. The blower housing part (1) is provided with a housing (2) and a fixing flange (3) extending outwards from the housing (2) in the radial direction. A plurality of fixing points (4) are distributed on the fixing flange along the circumferential direction; the fixing point is used for fixing the blower shell part (1); wherein a radial rib (5) is formed between the housing (2) and the fastening point (4), said radial rib extending linearly in the radial direction along the fastening flange (3), wherein the radial ribs (5) intersect tangential ribs (6) extending along the fastening flange (3), each tangential rib extending tangentially to the housing (2) between two of the fastening points (4) and the two fastening points (4) being connected in each case. The bending rigidity of the air blower shell component is very high.

IPC 8 full level

F04D 29/62 (2006.01)

CPC (source: EP KR US)

F04D 25/08 (2013.01 - KR); **F04D 29/403** (2013.01 - US); **F04D 29/4206** (2013.01 - KR); **F04D 29/4226** (2013.01 - US);
F04D 29/441 (2013.01 - KR); **F04D 29/624** (2013.01 - US); **F04D 29/626** (2013.01 - EP); **F04D 25/08** (2013.01 - US);
F05D 2210/12 (2013.01 - KR); **F05D 2240/14** (2013.01 - KR)

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 3751151 A1 20201216; **EP 3751151 B1 20230315**; CN 211230992 U 20200811; DE 102019115741 A1 20201217;
KR 102347714 B1 20220106; KR 20200142452 A 20201222; US 11572892 B2 20230207; US 2020392969 A1 20201217

DOCDB simple family (application)

EP 20170151 A 20200417; CN 201921148609 U 20190722; DE 102019115741 A 20190611; KR 20200058258 A 20200515;
US 202016894814 A 20200607