

Title (en)

A HOUSING FOR THE RADIAL FAN OF A RANGE HOOD

Title (de)

GEHÄUSE FÜR DEN RADIALLÜFTER EINER DUNSTABZUGSHAUBE

Title (fr)

BOÎTIER POUR LE VENTILATEUR RADIAL D'UNE HOTTE ASPIRANTE

Publication

**EP 4136355 A1 20230222 (EN)**

Application

**EP 20931142 A 20200415**

Priority

TR 2020050319 W 20200415

Abstract (en)

[origin: WO2021211069A1] The invention relates to a housing for the radial fan of the range hood (1), comprising a spiral hollow body (30) surrounding an inner chamber (2); an air outlet (31) disposed on an upper end (36) of the body (30) to reach the inner chamber (2); an air suction nozzle (40) disposed on a flat front wall (32) of the body (30) angular with the air outlet (31); a support plate (45) provided at the center of the air suction nozzle (40) and having a plurality of mounting holes (49) provided thereon; and a plurality of flat blade members (42) that hold on to the support plate (45) from its first end (421) and to the front wall (32) from its opposite second end (423) such that the support plate (45) is suspended at the air suction nozzle (40) creating a plurality of air inlets (43) there between reaching to the inner chamber (1). The blade members (42) have a curvilinear form that forms a spiral when placed together at the air suction nozzle (40) around the support plate (45).

IPC 8 full level

**F04D 29/42** (2006.01); **F04D 25/08** (2006.01); **F24C 15/20** (2006.01)

CPC (source: EP)

**F04D 29/4226** (2013.01); **F04D 29/441** (2013.01); **F04D 29/626** (2013.01); **F24C 15/20** (2013.01); **F05D 2250/51** (2013.01)

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2021211069 A1 20211021**; EP 4136355 A1 20230222; EP 4136355 A4 20240110

DOCDB simple family (application)

**TR 2020050319 W 20200415**; EP 20931142 A 20200415