

Title (en)
FAN UNIT

Title (de)
LÜFTEREINHEIT

Title (fr)
UNITÉ DE VENTILATEUR

Publication
EP 3219992 A1 20170920 (EN)

Application
EP 16380007 A 20160314

Priority
EP 16380007 A 20160314

Abstract (en)
The invention relates to a fan unit, comprising a casing (1) with a central interior opening (3) which is provided with a centrifugal impeller (4) rotationally driven by a motor, the centrifugal impeller (4) has a set of blades (9) arranged around the central interior opening (3), and inclined with respect to the radial direction of the centrifugal impeller (4), the centrifugal impeller (4) has an inner edge (10) adjacent to the central interior opening (3) and an outer edge (11) on the periphery of the centrifugal impeller (4), in which the blades (9) have an arched configuration extending transversely between the inner edge (10) adjacent to the central interior opening (3) and the outer edge (11) arranged on the periphery of the centrifugal impeller (4), the blades (9) having a convex configuration positioned towards the inner part of the centrifugal impeller (4), and the fan unit additionally comprises measurement means configured to measure the air flow driven by the centrifugal impeller (4) based on the energy consumption of the motor.

IPC 8 full level
F04D 27/00 (2006.01); **F04D 29/28** (2006.01); **F04D 29/30** (2006.01)

CPC (source: EP)
F04D 27/001 (2013.01); **F04D 29/281** (2013.01); **F04D 29/30** (2013.01)

Citation (search report)
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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

DOCDB simple family (publication)
EP 3219992 A1 20170920; **EP 3219992 B1 20200930**; ES 2837106 T3 20210629; PT 3219992 T 20201228

DOCDB simple family (application)
EP 16380007 A 20160314; ES 16380007 T 20160314; PT 16380007 T 20160314