

Title (en)
VENTILATION DEVICE WITH RADIAL AIR OUTFLOW

Title (de)
BELÜFTUNGSVORRICHTUNG MIT RADIALEM LUFTABFLUSS

Title (fr)
DISPOSITIF DE VENTILATION À ÉCOULEMENT D'AIR RADIAL

Publication
EP 3115614 A1 20170111 (EN)

Application
EP 16175157 A 20160619

Priority
BG 304115 U 20150629

Abstract (en)
The ventilation device with a radial air flow solves the problem of supplying premises with fresh air with an increased air outflow, improved efficiency and lower noise levels. The ventilation device comprises an air duct (1) with variable circular section, consisting of three successive parts and an accommodated inside it axial fan (2). The third section of the air duct (1) expands like a funnel and together with a coniform baffle (3) forms a radial air passage. The coniform baffle (3) is arranged after the fan in the direction of the exit for the air and represents a truncated cone with gradually increasing diameter. A streamlined member (4) is arranged in front of the hub of the fan (2).

IPC 8 full level
F04D 19/00 (2006.01); **F04D 29/52** (2006.01); **F04D 29/54** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)
F04D 19/002 (2013.01); **F04D 29/522** (2013.01); **F04D 29/547** (2013.01); **F04D 29/663** (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 3115614 A1 20170111; **EP 3115614 B1 20210317**; BG 2218 U1 20160428; RS 61926 B1 20210630

DOCDB simple family (application)
EP 16175157 A 20160619; BG 304115 U 20150629; RS P20210692 A 20160619