

Title (en)  
ELECTRIC FAN

Title (de)  
ELEKTRISCHER VENTILATOR

Title (fr)  
VENTILATEUR ÉLECTRIQUE

Publication  
**EP 3587824 A1 20200101 (EN)**

Application  
**EP 18180242 A 20180627**

Priority  
EP 18180242 A 20180627

Abstract (en)  
The invention relates to an electric fan capable of generating a pressure differential between a first zone, named upper pressure zone (44), and a second zone, named lower pressure zone (43), the pressure of said upper pressure zone (44) being greater than the pressure of said lower pressure zone (43), said fan comprising:- a casing (29) having a wall delimiting an internal space of the casing (29), said casing (29) being disposed in said upper pressure zone (44);- an electronic device, said electronic device being disposed in said internal space of the casing (29), characterised in that it comprises at least one duct, named aeration duct (35), outside said casing (29) and comprising a first opening disposed in said upper pressure zone (44) in the vicinity of an outer face of the wall of said casing (29) and a second opening disposed in said lower pressure zone (43).

IPC 8 full level  
**F04D 17/16** (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP)  
**F04D 17/16** (2013.01); **F04D 29/5813** (2013.01)

Citation (applicant)  
FR 2921446 A1 20090327 - SIEMENS VDO AUTOMOTIVE SAS [FR]

Citation (search report)  
• [XAI] WO 2017221460 A1 20171228 - DENSO CORP [JP]  
• [A] EP 2993764 A2 20160309 - REGAL BELOIT AMERICA INC [US]  
• [A] US 2010218919 A1 20100902 - SHIBATA HIROSHI [JP], et al

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WO2022175522A1

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 3587824 A1 20200101**; **EP 3587824 B1 20220803**; ES 2929022 T3 20221124; PL 3587824 T3 20221212

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