

Title (en)
Ventilator

Title (de)
Ventilator

Title (fr)
Ventilateur

Publication
EP 2282135 A3 20180328 (DE)

Application
EP 10006318 A 20100618

Priority
DE 102009032207 A 20090703

Abstract (en)
[origin: EP2282135A2] The ventilator (1) has a propeller provided with a rotational axis, and a vacuum channel provided with an air suction opening (6) resting upstream of the propeller, for forming lateral air incident flow. A glass channel is provided with an air outlet opening resting upstream of the propeller, for forming lateral air outlet flow. A cover (3) is arranged in a housing (2). An air guiding unit (7) is arranged in a zone between a rear side of the cover and the propeller, and reduces or suppresses air flow around the rotational axis.

IPC 8 full level
F24F 7/013 (2006.01); **F04D 25/12** (2006.01); **F04D 29/70** (2006.01); **F24F 13/08** (2006.01)

CPC (source: EP)
F04D 19/002 (2013.01); **F04D 25/12** (2013.01); **F04D 29/541** (2013.01); **F04D 29/703** (2013.01); **F24F 7/013** (2013.01); **F24F 13/082** (2013.01)

Citation (search report)

- [XII] DE 19925439 A1 20001214 - STEGO ELEKTROTECHNIK GMBH [DE]
- [XA] JP 2007332818 A 20071227 - NAKAYAMA TOSHIKI
- [XA] JP 2001317774 A 20011116 - TOSHIBA CARRIER KK
- [XA] DE 202006009355 U1 20060907 - PFANNENBERG GMBH [DE]

Cited by
DE102018203629B3; EP4187102A1; CN108679712A; GB2490138A; GB2490138B

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
DE 102009032207 A1 20110105; DE 102009032207 B4 20161117; EP 2282135 A2 20110209; EP 2282135 A3 20180328;
EP 2282135 B1 20200401; ES 2799401 T3 20201217

DOCDB simple family (application)
DE 102009032207 A 20090703; EP 10006318 A 20100618; ES 10006318 T 20100618