

Title (en)
Ventilator

Title (de)
Ventilator

Title (fr)
Ventilateur

Publication
EP 2418388 B1 20181010 (DE)

Application
EP 11006481 A 20110806

Priority
• DE 102010034036 A 20100812
• DE 102011015784 A 20110401

Abstract (en)
[origin: EP2418388A2] The ventilator has housing (1), impeller (2), drive motor (5) and backrest (3). The housing is provided with inlet nozzle (1-1), cylindrical flow guide (1-2), connector (1-4), diffuser (1-5) and guide vane wing (1-3), so as to secure backrest and for fastening the housing on a dedicated unit or building. The impeller is rotatably mounted about a central axis and is provided with central hub with vanes which are provided in region of radial outer edge with flow elements. The drive motor is designed either as three-phase asynchronous motor or as an electronically commutated DC motor.

IPC 8 full level
F04D 25/06 (2006.01); **F04D 29/16** (2006.01); **F04D 29/38** (2006.01); **F04D 29/54** (2006.01); **F04D 29/66** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP US)
F04D 25/0613 (2013.01 - EP US); **F04D 29/164** (2013.01 - EP US); **F04D 29/384** (2013.01 - EP US); **F04D 29/542** (2013.01 - EP US); **F04D 29/667** (2013.01 - EP US); **F04D 29/703** (2013.01 - EP US); **F05D 2300/43** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US)

Citation (examination)
• US 2002182071 A1 20021205 - BELADY CHRISTIAN L [US]
• US 2008170935 A1 20080717 - NAKAMURA TOSHIYUKI [JP], et al

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