

Title (en)
A FAN

Title (de)
GEBLÄSE

Title (fr)
VENTILATEUR

Publication
EP 2943687 A1 20151118 (EN)

Application
EP 14700014 A 20140106

Priority
• GB 201300629 A 20130114
• GB 2014050025 W 20140106

Abstract (en)
[origin: GB2509760A] A bladeless ring fan assembly e.g. a ceiling fan for generating an air flow within a room includes a casing having a plurality of inlet sections 12, 14 and an outlet section 16, 18 for receiving air from the inlet sections. Each inlet section has an air inlet 54, an impeller 56 and a motor 58 for driving the impeller 56 to draw an air flow through the air inlet section 54 and into the air outlet section 16, 18. The outlet section has an interior passage 24 and an air outlet 28 which creates an airflow, and draws secondary air through a bore 20 defined by the casing. The cross sectional area of the internal passage 24 may vary around the bore to maintain a substantially constant flow velocity through the duct. This arrangement allows two smaller impellers to be used, to minimise the size of the duct, and to reduce noise.

IPC 8 full level
F04D 25/08 (2006.01); **F04D 25/16** (2006.01); **F04F 5/16** (2006.01)

CPC (source: EP GB US)
F04D 25/08 (2013.01 - EP US); **F04D 25/088** (2013.01 - EP GB); **F04D 25/16** (2013.01 - EP US); **F04D 29/403** (2013.01 - US); **F04D 29/441** (2013.01 - GB); **F04F 5/16** (2013.01 - EP GB US)

Citation (search report)
See references of WO 2014108672A1

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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
GB 201300629 D0 20130227; **GB 2509760 A 20140716**; **GB 2509760 B 20150715**; CN 103925197 A 20140716; CN 103925197 B 20170412; CN 203685526 U 20140702; EP 2943687 A1 20151118; JP 2014134203 A 20140724; JP 5775611 B2 20150909; US 2014199185 A1 20140717; WO 2014108672 A1 20140717

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