

Title (en)

FAN ASSEMBLY FOR A GAS BURNER APPLIANCE AND ASSEMBLY COMPRISING THE FAN ASSEMBLY

Title (de)

VENTILATORANORDNUNG FÜR EINE GASBRENNERVORRICHTUNG UND ANORDNUNG MIT DER VENTILATORANORDNUNG

Title (fr)

ENSEMBLE DE VENTILATEUR POUR BRÛLEUR À GAZ ET ENSEMBLE COMPRENANT L'ENSEMBLE DE VENTILATEUR

Publication

EP 3702619 A1 20200902 (EN)

Application

EP 19159248 A 20190226

Priority

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Abstract (en)

Fan assembly (11) of a gas burner appliance, the fan assembly (11) comprises a fan module (14) and an electronic module (15). The fan module (14) has a fan module housing (16) comprising a fan plate housing part (17), a fan impeller housing part (18) and a collar housing part (19). The fan module has a fan impeller (20), the fan impeller (20) is positioned at the first side of the fan plate housing part (17). The fan module has a cooling impeller (22), the cooling impeller (22) is positioned at the second side of the fan plate housing part (17). The fan module (14) has first electronic components for controlling the operation of the fan assembly (14), the first electronic components are cooled by said cooling impeller (22). The electronic module (15) has an electronic module housing (24). The electronic module has second electronic components for controlling the operation of the fan assembly, wherein said second electronic components are connected to said first electronic components. The electronic module housing (24) is releasably mounted to collar housing part (19) in such a way that for mounting the electronic module (15) to the fan module (14) and for unmounting the electronic module (15) from the fan module (14) the electronic module (15) is guided relocatable at the collar housing part (19) in a linear direction running perpendicular to a rotation axis (23) of the cooling impeller (22) and/or running perpendicular to a rotation axis (21) of the fan impeller (20).

IPC 8 full level

F04D 17/16 (2006.01); **F04D 25/06** (2006.01); **F04D 29/58** (2006.01); **F23D 14/36** (2006.01)

CPC (source: CN EP)

F04D 17/16 (2013.01 - EP); **F04D 25/068** (2013.01 - EP); **F04D 25/08** (2013.01 - CN); **F04D 27/004** (2013.01 - CN); **F04D 29/5813** (2013.01 - EP); **F23D 14/36** (2013.01 - CN EP); **F23L 5/02** (2013.01 - CN EP); **F23N 3/00** (2013.01 - CN)

Citation (applicant)

- EP 3015768 A1 20160504 - HONEYWELL TECHNOLOGIES SARL [CH]
- DE 102010008988 A1 20100909 - JOHNSON ELECTRIC SA [CH]

Citation (search report)

- [A] US 2016285339 A1 20160929 - SMITH MICHAEL DAVID [US], et al
- [A] US 2016200440 A1 20160714 - KRAKOWSKI DARIUSZ [DE], et al
- [A] US 2015300355 A1 20151022 - MALVASI ALESSANDRO [IT], et al
- [A] US 2006202572 A1 20060914 - TUNGL RUDOLF [DE], et al
- [A] EP 2996227 A2 20160316 - EBERSPÄCHER CLIMATE CONTROL SYSTEMS GMBH & CO KG [DE]

Designated contracting state (EPC)

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DOCDB simple family (application)

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