

Title (en)

Atmospheric gas heating appliance with an external exhaust gas recycling.

Title (de)

Atmosphärisches Gasheizgerät mit externer Abgasrückführung.

Title (fr)

Appareil de chauffage à gaz ayant un recyclage des gaz d'échappement externe.

Publication

EP 0272660 B2 19951122 (DE)

Application

EP 87118903 A 19871219

Priority

DE 3643797 A 19861220

Abstract (en)

[origin: EP0272660A2] The appliance has a closed combustion chamber, an exhaust-gas tube (10a) and an air tube (11a), serving to supply combustion air, as well as a means outside the combustion chamber of recycling part of the exhaust gas for NO_x reduction of the said gas, there being between exhaust-gas tube (10a) and air tube (11a) at least one overflow connection (12a) for the exhaust-gas recirculation and there being a restricting device (13) arranged downstream in the exhaust-gas tube (10a), and respectively upstream in the air tube (11a), to produce an adequate differential pressure for the defined amount of exhaust gas to flow over. <IMAGE>

IPC 1-7

F24C 3/00; **F24C 15/00**

IPC 8 full level

F23C 9/00 (2006.01); **F24C 3/00** (2006.01); **F24C 15/00** (2006.01)

CPC (source: EP)

F23C 9/00 (2013.01); **F24C 3/004** (2013.01); **F24C 15/002** (2013.01); **F23C 2202/30** (2013.01); **F23C 2900/03007** (2013.01); **F23J 2211/10** (2013.01); **F23J 2211/101** (2013.01)

Cited by

EP2442027A3; CN110848713A; EP0733853A3; FR2814797A1; US5309779A; EP3285020A3; EP2442027A2; US8034767B2; EP3828466A1; FR3103881A1; EP3828466B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0272660 A2 19880629; **EP 0272660 A3 19891018**; **EP 0272660 B1 19910821**; **EP 0272660 B2 19951122**; AT E66527 T1 19910915; DE 3643797 A1 19880623; DE 3772355 D1 19910926

DOCDB simple family (application)

EP 87118903 A 19871219; AT 87118903 T 19871219; DE 3643797 A 19861220; DE 3772355 T 19871219