

Title (en)
ATMOSPHERIC GAS HEATING APPLIANCE WITH AN EXTERNAL EXHAUST GAS RECYCLING

Publication
EP 0272660 A3 19891018 (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 NOx 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 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)

Citation (search report)
• [A] US 4345897 A 19820824 - STANTON C ROBERT
• [A] DE 37773 C
• [A] DE 1092176 C
• [A] DE 2154457 A1 19720531

Cited by
EP0733853A3; EP2442027A3; CN110848713A; 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

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