

Title (en)

CATALYTIC GAS COMBUSTION DEVICE FOR AN APPLIANCE FOR PERSONAL USE

Title (de)

KATALYTISCHE GASVERBRENNUNGSEINRICHTUNG FÜR EIN GERÄT DES PERSÖNLICHEN BEDARFS

Title (fr)

INSTALLATION DE COMBUSTION CATALYTIQUE DE GAZ DESTINEES A UN APPAREIL D'USAGE PERSONNEL

Publication

EP 1286607 A1 20030305 (DE)

Application

EP 01925428 A 20010313

Priority

- DE 10027719 A 20000603
- EP 0102769 W 20010313

Abstract (en)

[origin: US2003138750A1] A catalytic gas combustion device for an appliance for personal use with a gas supply device and a catalyst connected to the gas supply device is disclosed. To ignite the gas/air mixture and therefore to initiate catalytic combustion at the catalyst, an ignition device which can be controlled by an ignition system is provided. The gas supply device has a bypass for branching off part of a gas stream which flows onto the ignition device. In this way, the ignition system is actuated even shortly after the gas valve device is opened, and the catalyst is brought to its operating temperature as a result of the explosion of the gas/air mixture.

IPC 1-7

A45D 1/02; **A45D 20/06**; **A45D 2/36**

IPC 8 full level

A45D 1/02 (2006.01); **A45D 2/36** (2006.01); **A45D 4/00** (2006.01); **A45D 20/06** (2006.01); **F23D 14/18** (2006.01)

CPC (source: EP KR US)

A45D 1/02 (2013.01 - EP KR US); **A45D 2/36** (2013.01 - EP US); **A45D 20/06** (2013.01 - EP US); **A45D 2020/065** (2013.01 - EP US)

Citation (search report)

See references of WO 0193719A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

US 2003138750 A1 20030724; **US 6805552 B2 20041019**; AT E258756 T1 20040215; AU 5218601 A 20011217; CA 2410312 A1 20011213; CA 2410312 C 20091117; DE 10027719 A1 20011213; DE 50101446 D1 20040311; EP 1286607 A1 20030305; EP 1286607 B1 20040204; JP 2003534862 A 20031125; KR 100642097 B1 20061110; KR 20030004454 A 20030114; WO 0193719 A1 20011213

DOCDB simple family (application)

US 30431802 A 20021126; AT 01925428 T 20010313; AU 5218601 A 20010313; CA 2410312 A 20010313; DE 10027719 A 20000603; DE 50101446 T 20010313; EP 0102769 W 20010313; EP 01925428 A 20010313; JP 2002501295 A 20010313; KR 20027016233 A 20010313