

Title (en)

COMBUSTION DEVICE AND METHOD FOR OPERATING A COMBUSTION DEVICE FOR LOW-NO_x? AND LOW-CO COMBUSTION

Title (de)

BRENNEREINRICHTUNG UND VERFAHREN ZUM BETREIBEN EINER BRENNEREINRICHTUNG FÜR EINE NO_x?- UND CO-ARME VERBRENNUNG

Title (fr)

BRULEUR ET PROCEDE DE FONCTIONNEMENT D'UN BRULEUR DESTINE A UNE COMBUSTION PAUVRE EN NO_x? ET EN CO

Publication

EP 0834040 A1 19980408 (DE)

Application

EP 97924865 A 19970418

Priority

- DE 9700817 W 19970418
- DE 19615761 A 19960420

Abstract (en)

[origin: US6419480B2] A low NO_x and CO emission heating apparatus provides for substantially separate fuel and combustion air feeds into a combustion chamber provided at one end with an exhaust gas opening and, at an opposite end with an elongated porous air distributor through which air is fed into the combustion chamber and into jets of fuel directed into the space between the air distributor and the side wall of the combustion chamber. Both air and fuel may be subjected to swirl to improve the combustion, by adjusting the inclination of the fuel nozzles.

IPC 1-7

F23C 7/00; **F23D 14/22**

IPC 8 full level

F23C 7/00 (2006.01); **F23D 14/20** (2006.01); **F23D 14/22** (2006.01)

CPC (source: EP US)

F23C 7/00 (2013.01 - EP US); **F23D 14/20** (2013.01 - EP US); **F23C 2201/20** (2013.01 - EP US); **F23D 2205/00** (2013.01 - EP US)

Citation (third parties)

Third party :

- EP 0619459 A1 19941012 - SHRINKFAST MARKETING [US]
- DE 4002237 A1 19910801 - ELCO ENERGIESYSTEME GMBH [DE]

Cited by

DE102013019934A1

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

DOCDB simple family (publication)

US 2001018171 A1 20010830; **US 6419480 B2 20020716**; AT E195367 T1 20000815; DE 19717721 A1 19971030; DE 59702133 D1 20000914; EP 0834040 A1 19980408; EP 0834040 B1 20000809; ES 2151273 T3 20001216; WO 9740315 A1 19971030

DOCDB simple family (application)

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