

Title (en)
HOLLOW FLAME

Title (de)
HOHLFLAMME

Title (fr)
FLAMME CREUSE

Publication
EP 2126471 B1 20160210 (DE)

Application
EP 08715520 A 20080227

Priority
• DE 2008000328 W 20080227
• DE 102007009922 A 20070227

Abstract (en)
[origin: DE102007009922A1] The method involves forming individual flames (16.1) by individual nozzles (2). A common flame (16.3) is formed by the sum of the individual flames. The individual flames are spaced with respect to a center of the common flame and are arranged away from each other, such that the common flame forms a hollow flame with an appropriate hollow space (19) downstream to a baffle plate, where the hollow flame is open into the air flow. A back pressure or a negative pressure is formed in the hollow space by a baffle plate (3). An independent claim is also included for a burner device for the formation of individual flames or a common flame.

IPC 8 full level
F23D 11/40 (2006.01); **F23D 14/22** (2006.01); **F23D 14/26** (2006.01)

CPC (source: EP)
F23C 1/08 (2013.01); **F23C 9/006** (2013.01); **F23D 11/406** (2013.01); **F23D 14/26** (2013.01); **F23D 17/002** (2013.01)

Citation (opposition)
Opponent : ELCO Burners GmbH
• DE 4002238 A1 19910801 - ELCO ENERGIESYSTEME GMBH [DE]
• JP S60202225 A 19851012 - TOKYO GAS CO LTD
• WO 0012940 A1 20000309 - SIEMENS AG [DE], et al
• EP 0913631 A2 19990506 - WEISHAUPT MAX GMBH [DE]
• DE 29612998 U1 19961128 - JACOBSEN HORST DIPL ING [DE]
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• DE 8717191 U1 19880526
• WO 2007134580 A1 20071129 - DREIZLER ULRICH [DE]
• US 1976097 A 19341009 - SHARP RICHARD A
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• ELCO KLÖCKNER: "Gas-Gebläsebrenner EK 6../7../8../9.. G-E/G-EU/G/EU2", BETRIEBSANLEITUNG DRUCKNUMMER 102.878.8509, January 2001 (2001-01-01), pages 1 - 62, XP055323368

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EP4235027A1; EP2116766B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
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