

Title (en)
HOLLOW FLAME

Title (de)
HOHLFLAMME

Title (fr)
FLAMME CREUSE

Publication
EP 2126471 A2 20091202 (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 (search report)
See references of WO 2008104158A2

Cited by
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

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