

Title (en)

DEVICE FOR THE PULSATING SUPPLY OF A GASEOUS MEDIUM TO A KILN OR SUCHLIKE

Publication

EP 0134907 B1 19861029 (DE)

Application

EP 84106165 A 19840530

Priority

DE 3324050 A 19830704

Abstract (en)

[origin: EP0134907A1] 1. Device for the pulsating supply of a combustable gas or air to a combustion chamber or suchlike, particularly for heating a tunnel kiln in the ceramic industry with gas above the ignition temperature by means of a lance extending into the combustion chamber connected to the supply line for the medium to be supplied, which supply line comprises a magnet valve being pulsating controllable, characterized in that onto the lance (11) a mixing nozzle for the stream of the medium (31) coming from the lance and to be supplied into the combustion chamber (4) is mounted, which nozzle has a cross-section continuously tapered in the direction of the stream and which nozzle has several openings (26) by means of which gas (stream 32) may be drawn from the combustion chamber (4) and is supplied to same through the mixing nozzle as a focused stream (33).

IPC 1-7

F27B 9/00; **F23L 7/00**; **F23N 1/02**

IPC 8 full level

F23K 5/00 (2006.01); **F23L 7/00** (2006.01); **F23N 1/02** (2006.01); **F27B 9/00** (2006.01); **F27B 9/30** (2006.01); **F27D 7/04** (2006.01)

CPC (source: EP)

F23K 5/005 (2013.01); **F27B 9/3011** (2013.01); **F27D 7/04** (2013.01)

Cited by

EP0698764A3; EP0559144A3; DE3835360A1

Designated contracting state (EPC)

AT DE FR GB NL

DOCDB simple family (publication)

EP 0134907 A1 19850327; **EP 0134907 B1 19861029**; AT E23220 T1 19861115; DE 3324050 A1 19850117; DE 3461118 D1 19861204

DOCDB simple family (application)

EP 84106165 A 19840530; AT 84106165 T 19840530; DE 3324050 A 19830704; DE 3461118 T 19840530