

Title (en)

Burner with lance and staged fuel supply.

Title (de)

Brenner mit Brennerlanze und gestufter Brennstoffeindüsung

Title (fr)

Brûleur avec lance et alimentation étagée en carburant

Publication

EP 1510755 B1 20160928 (DE)

Application

EP 04104099 A 20040826

Priority

CH 14932003 A 20030901

Abstract (en)

[origin: EP1510755A1] The burner consists of a lance (6), a swirl creator (3) with a conical swirl cavity (2) and a fuel supply with a first group (4) of burner outlet apertures for a first premix fuel portion. The burner has at least one second fuel input with at least one second group (5) of burner outlet apertures for a second premix fuel portion.

IPC 8 full level

F23C 7/00 (2006.01); **F23D 11/40** (2006.01); **F23D 17/00** (2006.01)

CPC (source: EP US)

F23C 7/002 (2013.01 - EP US); **F23D 11/402** (2013.01 - EP US); **F23D 17/002** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US)

Cited by

EP2068076A2; US8313324B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1510755 A1 20050302; EP 1510755 B1 20160928; US 2005106522 A1 20050519; US 7445445 B2 20081104

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EP 04104099 A 20040826; US 93105204 A 20040901