

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