

Title (en)

Oven with primary air supply and method for operating such an oven

Title (de)

Ofen mit Primärluftzufuhr und Verfahren zum Betreiben eines solchen Ofens

Title (fr)

Four avec une amenée d'air primaire et procédé de fonctionnement d'un tel four

Publication

**EP 1850071 A3 20150114 (DE)**

Application

**EP 07003261 A 20070215**

Priority

DE 102006019057 A 20060425

Abstract (en)

[origin: EP1850071A2] The oven has a combustion chamber (10) designed for combustion of a solid fuel (2), and a supply line discharged into the combustion chamber. The supply line supplies a combustion gas into the combustion chamber. The supply line is operable by using velocity components (Vg) in the combustion chamber, where the components are aligned in a gravity direction. The supply line is formed through a gap between an outer limiting surface of an inner pipe and an inner limiting surface of a supply pipe. An independent claim is also included for a method for operating a oven.

IPC 8 full level

**F24B 5/02** (2006.01); **F23B 40/08** (2006.01); **F23B 50/12** (2006.01); **F23K 3/22** (2006.01); **F23L 1/00** (2006.01); **F24B 13/04** (2006.01)

CPC (source: EP US)

**F23B 50/12** (2013.01 - EP); **F23K 3/22** (2013.01 - EP); **F23L 1/00** (2013.01 - EP US); **F24B 5/023** (2013.01 - EP); **F24B 13/04** (2013.01 - EP)

Citation (search report)

- [X] US 1485668 A 19240304 - COLE EDWARD P
- [XYI] WO 9211493 A1 19920709 - DOVETECH INC [US]
- [Y] US 3223077 A 19651214 - TSAKOS PETER S
- [X] US 4517903 A 19850521 - RICHMOND IAIN J [CA], et al

Cited by

FR2993346A1; EP2685158A3; WO2015121848A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1850071 A2 20071031**; **EP 1850071 A3 20150114**; **EP 1850071 B1 20190522**; DE 102006019057 A1 20071031

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