

Title (en)

Burner for industrial kiln

Title (de)

Brenner für einen Industrieofen

Title (fr)

Brûleur pour un four industriel

Publication

**EP 2299174 A1 20110323 (EN)**

Application

**EP 10175132 A 20100902**

Priority

IT BO20090564 A 20090903

Abstract (en)

Burner for an industrial kiln, comprising at least one first fuel inlet opening (15), at least one second combustible inlet opening (16) and at least one nozzle (31) afferent to the firing chamber (3) of the kiln (2), characterised in that it comprises suction means (34) that place said firing chamber (3) in communication with said second combustible inlet opening (16).

IPC 8 full level

**F23C 9/08** (2006.01); **F23D 14/24** (2006.01)

CPC (source: EP)

**F23C 9/08** (2013.01); **F23D 14/24** (2013.01); **F23D 91/02** (2015.07); **F23C 2202/30** (2013.01)

Citation (search report)

- [XY] US 2005247300 A1 20051110 - COLLIER DAVID [US]
- [X] US 7104784 B1 20060912 - HASEGAWA TOSHIAKI [JP], et al
- [X] US 6029614 A 20000229 - KAYAHARA TOSHIHIRO [JP], et al
- [X] US 2004115575 A1 20040617 - KAYAHARA TOSHIHIRO [JP], et al
- [Y] DE 102005008617 B3 20060713 - AIR LIQUIDE DEUTSCHLAND GMBH [DE]

Cited by

CN105403037A; ITV20130150A1; CN107763622A; US10718512B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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