

Title (en)  
INDUSTRIAL FURNACE PROVIDED WITH A BURNER

Title (de)  
INDUSTRIEOFEN AUSGESTATTET MIT EINEM BRENNER

Title (fr)  
FOUR INDUSTRIEL COMPORTANT UN BRÛLEUR

Publication  
**EP 3155320 B1 20180704 (EN)**

Application  
**EP 15726700 A 20150417**

Priority  
• IT VR20140165 A 20140612  
• IB 2015052827 W 20150417

Abstract (en)  
[origin: WO2015189717A1] A burner for industrial furnace, which can be installed in a furnace (2) comprising at least one firing chamber (3), the burner comprises a main tubular body (6) provided with at least one first port (7) for the inlet of a fuel, with at least one second port (8) for the inlet of combustive agent, and with an end nozzle (15) provided with an outlet mouth (16) facing towards the firing chamber (3), and elements (12) for triggering combustion of the fuel - combustive agent mixture. The burner also comprises at least one duct (17) adapted to pick up a portion of the gases present within the firing chamber (3) and to convey them at the outlet mouth (16) of the end nozzle (15).

IPC 8 full level  
**F23C 3/00** (2006.01); **F23C 9/06** (2006.01)

CPC (source: EP)  
**F23C 3/002** (2013.01); **F23C 9/06** (2013.01); **F23C 2202/10** (2013.01); **F23C 2900/03004** (2013.01); **F23C 2900/09002** (2013.01)

Cited by  
IT201900003481A1; CN113748303A; WO2020183390A1; WO2021229468A1

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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2015189717 A1 20151217**; CN 106716014 A 20170524; EP 3155320 A1 20170419; EP 3155320 B1 20180704; ES 2686522 T3 20181018

DOCDB simple family (application)  
**IB 2015052827 W 20150417**; CN 201580030416 A 20150417; EP 15726700 A 20150417; ES 15726700 T 20150417