

Title (en)

FUEL OVEN AND OPERATING METHOD FOR SAID OVEN

Title (de)

BRENNSTOFFOFEN UND BETRIEBSVERFAHREN FÜR BESAGTEN OFEN

Title (fr)

FOUR À COMBUSTIBLE ET PROCÉDÉ POUR FAIRE FONCTIONNER CE FOUR

Publication

EP 3006878 A1 20160413 (EN)

Application

EP 15188980 A 20151008

Priority

IT PD20140262 A 20141009

Abstract (en)

Fuel oven (1), which has a hollow containment body (2) which internally delimits a heat treatment chamber (3) susceptible to contain a product to be treated, adapted to contain a radiant-convective heat exchanger (4) and process air treatment and movement means (32-33-36), a housing chamber (7) thermally separated from the treatment chamber (3), which delimits a heat generation and management system, characterized by a multi-gas burner with forced suction (11), an aspirator (18) placed downstream of the exchanger, a recirculation (26) of the combustion products integrated with external air suction and insufflation (23) in order to lower the temperature thereof and ensure the renewal of air (8) of the housing chamber (7).

IPC 8 full level

F27B 17/00 (2006.01); **F27D 9/00** (2006.01); **F27D 99/00** (2010.01)

CPC (source: EP)

F27B 17/0016 (2013.01); **F27D 9/00** (2013.01); **F27D 99/0035** (2013.01)

Citation (search report)

- [A] WO 2006120717 A1 20061116 - SYSTEMA S P A [IT], et al
- [A] EP 2299175 A1 20110323 - JP STEEL PLANTECH CO [JP]

Cited by

CN107356120A; CN112815711A; CN110869522A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3006878 A1 20160413; **EP 3006878 B1 20190417**; ES 2736039 T3 20191223; PL 3006878 T3 20200331

DOCDB simple family (application)

EP 15188980 A 20151008; ES 15188980 T 20151008; PL 15188980 T 20151008