

Title (en)

HIGH TEMPERATURE FURNACE, USE OF A HIGH TEMPERATURE FURNACE AND METHOD FOR HIGH TEMPERATURE HEATING WITHOUT EMISSIONS IN A HIGH TEMPERATURE FURNACE

Title (de)

HOCHTEMPERATUROFEN, VERWENDUNG EINES HOCHTEMPERATUROFENS UND VERFAHREN ZUM HOCHTEMPERATURHEIZUNG OHNE EMISSIONEN IN EINEM HOCHTEMPERATUROFEN

Title (fr)

FOUR À HAUTE TEMPÉRATURE, UTILISATION D'UN FOUR À HAUTE TEMPÉRATURE ET PROCÉDÉ DE CHAUFFAGE À HAUTE TEMPÉRATURE SANS ÉMISSIONS DANS UN FOUR À HAUTE TEMPÉRATURE

Publication

EP 3710767 B1 20230531 (EN)

Application

EP 18804274 A 20181115

Priority

- SE 1751417 A 20171116
- EP 2018081329 W 20181115

Abstract (en)

[origin: WO2019096885A1] The invention relates to a high temperature furnace (100) comprising a heating chamber (1), at least one first burner (10) for heating said heating chamber, and a condensation device (30) arranged in fluid connection with said heating chamber via an exhaust outlet (31). The at least one first burner (10) is arranged for providing a water vapor atmosphere in the heating chamber (1), and the condensation device (30) is arranged for condensing an exhaust gas generated by the at least one first burner (10), such that there is no need for a chimney and no emission of air contaminants.

IPC 8 full level

H05H 1/48 (2006.01); **F27B 5/04** (2006.01); **F27B 5/14** (2006.01); **F27D 17/00** (2006.01); **F27D 19/00** (2006.01); **F27D 99/00** (2010.01); **H05H 1/44** (2006.01)

CPC (source: EP SE US)

C21D 1/76 (2013.01 - SE); **F27B 5/04** (2013.01 - EP US); **F27B 5/14** (2013.01 - EP); **F27B 9/045** (2013.01 - SE); **F27D 7/02** (2013.01 - SE); **F27D 7/06** (2013.01 - SE); **F27D 17/00** (2013.01 - SE); **F27D 17/004** (2013.01 - EP); **F27D 17/008** (2013.01 - EP); **F27D 19/00** (2013.01 - EP); **F27D 99/0033** (2013.01 - EP); **H05H 1/48** (2013.01 - EP SE US)

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 2019096885 A1 20190523; EP 3710767 A1 20200923; EP 3710767 B1 20230531; ES 2951213 T3 20231018; FI 3710767 T3 20230717; HU E062127 T2 20230928; PL 3710767 T3 20230821; SE 1751417 A1 20190507; SE 541228 C2 20190507

DOCDB simple family (application)

EP 2018081329 W 20181115; EP 18804274 A 20181115; ES 18804274 T 20181115; FI 18804274 T 20181115; HU E18804274 A 20181115; PL 18804274 T 20181115; SE 1751417 A 20171116