

Title (en)
Rotary hearth furnace

Title (de)
Drehherdofen

Title (fr)
Four à sole tournante

Publication
EP 2511639 B1 20150128 (DE)

Application
EP 11162322 A 20110413

Priority
EP 11162322 A 20110413

Abstract (en)
[origin: EP2511639A1] The rotary hearth furnace has an outer wall and an inner wall, where both walls define a furnace chamber which has treatment zone. A heating device (18) is provided for heating the furnace chamber. An annular rotary hearth (5) and a rotary drive are equipped with the rotary hearth furnace. A frame of an additional heating device (24a) is arranged between two horizontal planes (17). The additional heating device heats the workpieces (15) held in the horizontal planes.

IPC 8 full level
F27B 9/16 (2006.01); **C21D 9/00** (2006.01); **F27B 9/36** (2006.01); **F27D 11/00** (2006.01); **F27D 99/00** (2010.01)

CPC (source: EP US)
C21D 9/0037 (2013.01 - EP US); **F27B 9/16** (2013.01 - EP US); **F27B 9/36** (2013.01 - EP US); **F27D 11/00** (2013.01 - EP US);
F27D 99/0006 (2013.01 - EP US)

Cited by
DE102018103145A1; DE102019120831A1; CN105063318A; US11644239B2; WO2015128416A1

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)
EP 2511639 A1 20121017; EP 2511639 B1 20150128; BR 102012008643 A2 20130611; CA 2771921 A1 20121013; ES 2531314 T3 20150312;
MX 2012004060 A 20121025; PL 2511639 T3 20150430; US 2012264074 A1 20121018

DOCDB simple family (application)
EP 11162322 A 20110413; BR 102012008643 A 20120412; CA 2771921 A 20120316; ES 11162322 T 20110413; MX 2012004060 A 20120404;
PL 11162322 T 20110413; US 201213407532 A 20120228