

Title (en)

Kiln assembly and method for operating the kiln assembly

Title (de)

Ofenanlage sowie Verfahren zum Betreiben der Ofenanlage

Title (fr)

Installation de four et procédé de fonctionnement de l'installation de four

Publication

EP 2639536 A3 20150826 (DE)

Application

EP 13157845 A 20130305

Priority

- DE 102012102194 A 20120315
- DE 102012102193 A 20120315

Abstract (en)

[origin: EP2639536A2] The furnace installation (1) carries out heat treatment for two regions (10,11) of a circuit board (5) by using a radiant heat (4) with various conservation temperatures. The region (11) of the circuit board is tempered at a moderate temperature by radiant heat sources (2) under AC1 temperature. The region (10) of the circuit board is conductively heated under AC3 temperature. An independent claim is included for method for operating furnace installation.

IPC 8 full level

F27B 5/14 (2006.01); **F27B 9/02** (2006.01); **F27B 9/20** (2006.01); **F27D 21/00** (2006.01); **F27D 99/00** (2010.01)

CPC (source: EP)

C21D 1/34 (2013.01); **F27B 5/14** (2013.01); **F27B 9/021** (2013.01); **F27B 9/045** (2013.01); **F27B 9/20** (2013.01); **F27D 21/0014** (2013.01); **F27D 99/0033** (2013.01); **F27D 99/0035** (2013.01); **C21D 9/0062** (2013.01); **C21D 9/46** (2013.01); **C21D 2221/00** (2013.01); **F27D 2009/007** (2013.01); **F27D 2019/0003** (2013.01); **F27D 2099/0045** (2013.01)

Citation (search report)

- [XP] EP 2497840 A1 20120912 - SCHWARTZ EVA [DE]
- [XI] DE 10256621 B3 20040415 - BENTELER AUTOMOBILTECHNIK GMBH [DE]

Cited by

US2020370831A1; EP4155422A1; WO2013189597A1; WO2019158142A1; US11781198B2

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 2639536 A2 20130918; EP 2639536 A3 20150826; EP 2639536 B1 20190508; EP 2639536 B8 20190626

DOCDB simple family (application)

EP 13157845 A 20130305