

Title (en)
INDUSTRIAL FURNACE WITH AIR CIRCULATION FOR A THERMAL TREATMENT PROCESS

Publication
EP 0074615 A3 19840523 (DE)

Application
EP 82108284 A 19820909

Priority
DE 3136667 A 19810916

Abstract (en)
[origin: US4518352A] Industrial oven providing air recirculation for heat treatment processes having temperature uniformity within a charge to be treated, including oven walls, spacers disposed between the oven walls for supporting the charge at a distance from the oven walls defining a space therebetween and for allowing a recirculated hot air flow around the charge from all sides, and elements disposed in the space between the charge and the oven walls for influencing the air flow.

IPC 1-7
F27D 7/00; F27B 17/00

IPC 8 full level
F27D 7/04 (2006.01); **C21D 1/767** (2006.01); **F27B 9/30** (2006.01); **F27B 17/00** (2006.01); **F27D 7/00** (2006.01)

CPC (source: EP US)
C21D 1/767 (2013.01 - EP US); **F27B 17/0083** (2013.01 - EP US); **F27D 7/00** (2013.01 - EP US)

Citation (search report)

- DE 2712842 A1 19780928 - KI VNI I PK I AVTOMATIZACII PR
- US 3304071 A 19670214 - GENTRY CHARLES B
- GB 1231246 A 19710512
- DE 971851 C 19590409 - SIEMENS AG

Cited by
FR2638826A1

Designated contracting state (EPC)
AT CH FR GB IT LI

DOCDB simple family (publication)
EP 0074615 A2 19830323; EP 0074615 A3 19840523; CA 1190395 A 19850716; DE 3136667 A1 19830324; JP S58123819 A 19830723; US 4518352 A 19850521

DOCDB simple family (application)
EP 82108284 A 19820909; CA 411441 A 19820915; DE 3136667 A 19810916; JP 16072382 A 19820914; US 64915184 A 19840910