

Title (en)

Articles handling process and rotary hearth furnace therefor

Title (de)

Verfahren zum Manipulieren von Werkstücken sowie Drehherdofen hierfür

Title (fr)

Procédé pour le maniement d'articles ainsi qu'un four à sole tournante à cet effet

Publication

EP 1089045 B1 20070103 (DE)

Application

EP 00121081 A 20000928

Priority

DE 19947482 A 19991001

Abstract (en)

[origin: EP1089045A2] Process for manipulating workpieces to be carburized comprises inserting the workpieces or a workpiece magazine on pallets into a rotary furnace in rows corresponding to a prescribed number of workpiece rows, removing from the furnace after carburizing and feeding to a press. The pallets are arranged in the furnace in the number of rows so that the row number is a multiple of the press number. Preferred Features A free place is provided next to the pallets to be removed from the furnace.

IPC 8 full level

F27D 3/00 (2006.01); **C21D 9/00** (2006.01); **F27B 9/16** (2006.01)

CPC (source: EP US)

C21D 9/0018 (2013.01 - EP US); **C21D 9/0037** (2013.01 - EP US); **F27B 9/16** (2013.01 - EP US); **F27D 3/0024** (2013.01 - EP US)

Cited by

CN110835721A

Designated contracting state (EPC)

AT DE FR GB IT SE

DOCDB simple family (publication)

EP 1089045 A2 20010404; **EP 1089045 A3 20030716**; **EP 1089045 B1 20070103**; AT E350635 T1 20070115; DE 19947482 A1 20010719; DE 19947482 C2 20020711; DE 50013923 D1 20070215; US 6336808 B1 20020108

DOCDB simple family (application)

EP 00121081 A 20000928; AT 00121081 T 20000928; DE 19947482 A 19991001; DE 50013923 T 20000928; US 67677300 A 20001002