

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 A3 20030716 (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 1-7

F27D 3/00; **F27B 9/16**; **C21D 9/00**

IPC 8 full level

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

Citation (search report)

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- [A] DE 29608569 U1 19960814 - HEES KARL MASCHINEN [DE]
- [A] US 2499926 A 19500307 - LLOYD DONALD W
- [A] WIENSTROTH T ET AL: "DREHHERDOFENANLAGE ZUM GAS-AUFKOHLEN MIT ANSCHLIESSENDER PRESSENHARTUNG", HAERTEREI TECHNISCHE MITTEILUNGEN, CARL HANSER VERLAG. MUNCHEN, DE, vol. 44, no. 2, 1 March 1989 (1989-03-01), pages 121 - 124, XP000008559, ISSN: 0341-101X

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DOCDB simple family (application)

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