

Title (en)

RUNNING PROCESS OF A REHEATING FURNACE AND REHEATING FURNACE FOR BILLETS, BLOCKS OR THE LIKE

Publication

EP 0185847 A3 19890726 (DE)

Application

EP 85110662 A 19850824

Priority

DE 3442707 A 19841123

Abstract (en)

[origin: US4629417A] A reheating furnace has a row of heating chambers and a mobile roof whose sections can be moved relative to each other so as to expose the tops of selected chambers for admission or evacuation of slabs. The slabs are lowered into and lifted out of selected heating chambers by an elevator which is mounted on tracks at a level above the motors for carriages which shift the roof sections relative to the chambers. Each chamber can be heated by a set of burners independently of the other chambers. The elevator stacks the slabs in such a way that one marginal portion of each slab is exposed for pronounced heating by combustion products and the other marginal portion is nested between and is heated by the neighboring slabs.

IPC 1-7

C21D 9/70; C21D 9/00; F27B 17/00; F27D 3/00

IPC 8 full level

C21D 9/00 (2006.01); **F27B 17/00** (2006.01); **F27D 1/18** (2006.01); **F27D 3/00** (2006.01); **F27D 3/04** (2006.01)

CPC (source: EP US)

C21D 9/0081 (2013.01 - EP US); **F27B 17/0016** (2013.01 - EP US); **F27D 1/1808** (2013.01 - EP US); **F27D 3/0024** (2013.01 - EP US); **F27B 2017/0091** (2013.01 - EP US); **F27D 3/04** (2013.01 - EP US); **F27D 2001/1841** (2013.01 - EP US); **F27D 2003/008** (2013.01 - EP US); **F27M 2001/1552** (2013.01 - EP US); **F27M 2003/025** (2013.01 - EP US)

Citation (search report)

- [A] GB 698904 A 19531028 - STEIN & ATKINSON LTD, et al
- [A] US 2478190 A 19490809 - GUTHRIE JAMES M
- [A] GB 488344 A 19380705 - OFENBAU UND INDUSTRIEANLAGEN G
- [A] BE 382565 A
- [A] LA METALLURGIE, Band 101, Nr. 5, Mai 1969, Seiten 274-278; "Les fors de forge"

Cited by

EP0610028A3; US5461770A

Designated contracting state (EPC)

AT BE FR SE

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EP 0185847 A2 19860702; **EP 0185847 A3 19890726**; DE 3442707 A1 19860605; DE 3442707 C2 19861113; US 4629417 A 19861216

DOCDB simple family (application)

EP 85110662 A 19850824; DE 3442707 A 19841123; US 78577685 A 19851009