

Title (en)

METHOD AND FURNACE FOR HEAT TREATMENT

Title (de)

VERFAHREN UND OFEN FÜR WÄRMEBEHANDLUNG

Title (fr)

PROCEDE ET FOUR POUR TRAITEMENT THERMIQUE

Publication

EP 1589120 A1 20051026 (EN)

Application

EP 03812311 A 20031127

Priority

- JP 0315120 W 20031127
- JP 2002348639 A 20021129

Abstract (en)

A linear furnace body of a heat treating furnace (1) houses in its inside a preheating chamber (3), a heat treating chamber (4) and a soaking chamber (5) with partitioning doors (1 and 2) arranged between them, respectively. Series of independently-driven hearth rollers (6, 7 and 8) are arranged in the chambers, respectively. Upon preheating and soaking of a work W, the series of hearth rollers (6 and 8) in the preheating chamber (3) and the soaking chamber (5) are rotated forward and backward to vibrate the work W. Upon heating of the work W, the series of hearth rollers (7) in the heat treating chamber (4) is stopped. <IMAGE>

IPC 1-7

C21D 1/00

IPC 8 full level

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CPC (source: EP)

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F27D 1/0006 (2013.01); **F27D 19/00** (2013.01)

Cited by

CN104593577A; EP3196320A4; CN112775388A; WO2022218830A1; WO2022218829A1; US10900113B2; US11761074B2; WO2022218831A1

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