

Title (en)

Heat treatment method and heat treatment apparatus.

Title (de)

Verfahren und Vorrichtung zur Wärmebehandlung.

Title (fr)

Méthode et appareil de chauffage.

Publication

**EP 0225432 A2 19870616 (EN)**

Application

**EP 86111599 A 19860821**

Priority

JP 25247085 A 19851111

Abstract (en)

In a furnace (2) having an inlet (8a, 8b, 8c) and an outlet (9a, 9b, 9c), a plurality of conveying components (a, b, c) for conveying materials to be heated from the inlet toward the outlet (8a to 9a, 8b to 9b 8c to 9c) are provided in parallel. A plurality of the materials are continuously loaded on the conveying components at the inlet of the furnace, subjected to heat treatment during the conveying process performed by the conveying components in the furnace, and successively reach the outlet. In this process, the conveying components are driven at conveying speeds which are different from each other. Among a plurality of the materials to be heated, these materials which are required to be heated for a long time are loaded on conveying components which are driven at low speed. As a result, they are conveyed and heated in the furnace for a long time. On the other hand, the materials which are only required to be heated for a short time are loaded on the conveying components driven at a high speed and consequently, they are conveyed and heated in the furnace for a short time.

IPC 1-7

**F27B 9/40**; **F27B 9/24**; **F27B 9/02**

IPC 8 full level

**C21D 1/00** (2006.01); **F27B 9/02** (2006.01); **F27B 9/24** (2006.01); **F27B 9/40** (2006.01); **F27D 19/00** (2006.01)

CPC (source: EP)

**F27B 9/021** (2013.01); **F27B 9/2407** (2013.01); **F27B 9/40** (2013.01); **F27D 2019/0059** (2013.01)

Cited by

AU2005224615B2; EP4212810A4; WO2005090889A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0225432 A2 19870616**; **EP 0225432 A3 19881123**; JP S62112717 A 19870523

DOCDB simple family (application)

**EP 86111599 A 19860821**; JP 25247085 A 19851111