

Title (en)

Heat treatment furnace for bulk materials.

Title (de)

Ofen für die Wärmebehandlung von stückigem Gut.

Title (fr)

Four pour le traitement thermique de produits en vrac.

Publication

**EP 0518279 B1 19950830 (DE)**

Application

**EP 92109728 A 19920610**

Priority

DE 4119709 A 19910614

Abstract (en)

[origin: EP0518279A1] A heat treatment furnace for bulk materials, in particular metal sheets, which has a transport device for conveying the goods to be treated through the furnace. This transport device has two groups of longitudinal beams (1, 2) which carry the materials and lie alternately at a spacing next to one another and at least one beam group of which can be moved forwards over a part length of the transport path through the furnace in a higher position than the other beam group and subsequently, in a lower position than this other beam group, be moved backwards into its starting position. Provided under each longitudinal beam is a support construction (6) which supports it and is movable with it and which has at least one side surface which extends continuously over the entire length of the support construction and which faces the support construction of the adjacent longitudinal beam. According to the invention, there is provided between the two adjacent support constructions (6) a flexible tube (11) which likewise extends over the entire length of the support constructions and which can be expanded in cross-section by filling with a pneumatic or hydraulic pressure medium and thus brought to bear closely against said side surface. <IMAGE>

IPC 1-7

**F27B 9/20**; **F27B 9/30**; **F27D 23/00**

IPC 8 full level

**F27B 9/20** (2006.01); **F27B 9/30** (2006.01); **F27D 99/00** (2010.01); **F27D 3/00** (2006.01)

CPC (source: EP US)

**F27B 9/201** (2013.01 - EP US); **F27B 9/30** (2013.01 - EP US); **F27D 99/0073** (2013.01 - EP US); **F27D 2003/0036** (2013.01 - EP US)

Cited by

WO9908059A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0518279 A1 19921216**; **EP 0518279 B1 19950830**; AT E127211 T1 19950915; DE 4119709 A1 19921217; DE 59203434 D1 19951005; DK 0518279 T3 19951106; ES 2080377 T3 19960201; US 5248254 A 19930928

DOCDB simple family (application)

**EP 92109728 A 19920610**; AT 92109728 T 19920610; DE 4119709 A 19910614; DE 59203434 T 19920610; DK 92109728 T 19920610; ES 92109728 T 19920610; US 89739892 A 19920612