Title (en)

APPARATUS FOR SUPPORTING SHEET METAL COILS IN A HIGH TEMPERATURE ANNEALING FURNACE

Title (de)

VORRICHTUNG ZUR ABSTÜTZUNG VON BLECH COILS IN EINEM HOCHTEMPERATURGLÜHOFEN

Title (fr)

DISPOSITIF DE SUPPORT DE BOBINES DE TÔLES DANS UN FOUR DE RECUIT HAUTE TEMPÉRATURE

Publication

EP 2225403 B1 20141217 (DE)

Application

EP 08861440 A 20081104

Priority

- AT 2008000396 W 20081104
- AT 20652007 A 20071219

Abstract (en)

[origin: WO2009076686A1] An apparatus is described for bracing of sheet metal joints (1) in a high temperature annealing furnace with at least one support (2) holding a sheet metal joint (1) on the front side, having a central, axial transit opening (6), upon which can be placed, if necessary, a support tube (5) running axially through the sheet metal joint (1), said support tube having a carrier (2) to hold an additional sheet metal joint (1) in order to dissipate the load. In order to create favorable heating conditions, the invention proposes that the support (2) have a ring element (7) forming a transit opening (6) and with radially protruding support arms (8) distributed over the perimeter. Thus, space is available for a direct application of radiant heat onto the sheet metal joint.

IPC 8 full level

C21D 9/673 (2006.01)

CPC (source: EP US)

C21D 9/673 (2013.01 - EP US); F27M 2001/1569 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2009076686 A1 20090625; AT 506222 A4 20090715; AT 506222 B1 20090715; BR PI0821387 A2 20150616; CN 101903540 A 20101201; EP 2225403 A1 20100908; EP 2225403 B1 20141217; JP 2011508094 A 20110310; JP 5529755 B2 20140625; KR 20100110789 A 20101013; RU 2010129686 A 20120127; US 2011057365 A1 20110310; US 8226885 B2 20120724

DOCDB simple family (application)

AT 2008000396 W 20081104; AT 20652007 A 20071219; BR PI0821387 A 20081104; CN 200880121663 A 20081104; EP 08861440 A 20081104; JP 2010540987 A 20081104; KR 20107013670 A 20081104; RU 2010129686 A 20081104; US 73508808 A 20081104