

Title (en)  
IMPROVEMENT MADE TO THE RAPID HEATING SECTIONS OF CONTINUOUS HEAT-TREATMENT LINES

Title (de)  
VERBESSERUNG BEZÜGLICH DER SCHNELLERHITZUNGSZONEN VON KONTINUIERLICH ARBEITENDEN WÄRMEBEHANDLUNGSLINIEN

Title (fr)  
PERFECTIONNEMENT APPORTÉ AUX SECTIONS DE CHAUFFAGE RAPIDE DES LIGNES DE TRAITEMENT THERMIQUE EN CONTINU.

Publication  
**EP 2016202 A2 20090121 (FR)**

Application  
**EP 07731385 A 20070427**

Priority

- FR 2007000733 W 20070427
- FR 0603899 A 20060502

Abstract (en)  
[origin: WO2007125213A2] Method of reducing the formation of folds on metal strips (1) exposed to rapid heating in continuous heat-treatment lines, in which lines said strips are caused to pass through heating sections (2) comprising successive and separate heating means (5; 5a; 5b; 5c; 5d), wherein the average slope of the increase in temperature of the strip between the inlet and the outlet of a heating means decreases from one heating means to the following heating means.

IPC 8 full level  
**C21D 9/56** (2006.01); **C21D 11/00** (2006.01)

CPC (source: EP KR US)  
**C21D 9/56** (2013.01 - EP KR US); **C21D 11/00** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 2007125213A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2007125213 A2 20071108; WO 2007125213 A3 20080103**; AU 2007245554 A1 20071108; BR PI0711034 A2 20120306; CA 2650187 A1 20071108; CN 101432451 A 20090513; CN 101432451 B 20110615; EA 014407 B1 20101230; EA 200870493 A1 20090227; EP 2016202 A2 20090121; FR 2900661 A1 20071109; FR 2900661 B1 20080926; JP 2009535512 A 20091001; KR 101370949 B1 20140314; KR 20090007737 A 20090120; MX 2008013858 A 20090126; US 2010062385 A1 20100311; US 8425225 B2 20130423; ZA 200808818 B 20091125

DOCDB simple family (application)  
**FR 2007000733 W 20070427**; AU 2007245554 A 20070427; BR PI0711034 A 20070427; CA 2650187 A 20070427; CN 200780015745 A 20070427; EA 200870493 A 20070427; EP 07731385 A 20070427; FR 0603899 A 20060502; JP 2009508417 A 20070427; KR 20087026614 A 20070427; MX 2008013858 A 20070427; US 29885007 A 20070427; ZA 200808818 A 20081015