

Title (en)  
HIGH-TEMPERATURE FURNACE FOR ANNEALING SHEET METAL PACKETS

Title (de)  
HOCHTEMPERATUROFEN ZUR GLÜHBEHANDLUNG VON BLECHBUNDEN

Title (fr)  
FOUR À HAUTE TEMPÉRATURE POUR LE TRAITEMENT DE RECUIT DE PAQUETS DE TÔLE

Publication  
**EP 2406569 A1 20120118 (DE)**

Application  
**EP 10710150 A 20100303**

Priority  
• AT 2010000060 W 20100303  
• AT 4052009 A 20090313

Abstract (en)  
[origin: CA2755138A1] A high-temperature furnace for annealing sheet metal packets (4) is described, comprising an annealing base (2), a carrying apparatus (3) which forms a support surface (17) for coaxially receiving a sheet metal packet (4) at a distance above the annealing base (2), a protective hood (6) which coaxially encloses the annealing base (2) with the carrying apparatus (3) and is connected to a protective gas vent and which is composed of a cylindrical jacket (7) and a dome (16) closing off the jacket (7) at the top, further comprising a peripheral seal (9) between the annealing base (2) and the protective hood (6), and a heating hood (13) that encloses the protective hood (6) at a distance. In order to achieve uniform heating of the annealing product, it is proposed that the axial jacket section of the protective hood (6) determined by the height distance (h) of the support surface (17) of the carrying apparatus (3) from the annealing base (2) has a surface which accounts for at least three quarters of the dome surface.

IPC 8 full level  
**F27B 11/00** (2006.01)

CPC (source: EP KR US)  
**C21D 9/67** (2013.01 - EP US); **F27B 11/00** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 2010102313A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**AT 507671 A4 20100715; AT 507671 B1 20100715;** BR PI1009103 A2 20160308; CA 2755138 A1 20100916; CN 102395852 A 20120328; CN 102395852 B 20140820; EP 2406569 A1 20120118; JP 2012520390 A 20120906; KR 20110135934 A 20111220; MX 2011009546 A 20111012; RU 2011141411 A 20130420; RU 2502028 C2 20131220; TW 201040287 A 20101116; UA 102593 C2 20130725; US 2012018931 A1 20120126; WO 2010102313 A1 20100916; ZA 201106475 B 20121227

DOCDB simple family (application)  
**AT 4052009 A 20090313;** AT 2010000060 W 20100303; BR PI1009103 A 20100303; CA 2755138 A 20100303; CN 201080016390 A 20100303; EP 10710150 A 20100303; JP 2011553230 A 20100303; KR 20117020951 A 20100303; MX 2011009546 A 20100303; RU 2011141411 A 20100303; TW 99106856 A 20100310; UA A201111674 A 20100303; US 201013138616 A 20100303; ZA 201106475 A 20110905