

Title (en)

METHOD FOR THE HEAT TREATMENT OF A METAL BAND

Title (de)

VERFAHREN ZUR WÄRMEBEHANDLUNG EINES METALLBANDES

Title (fr)

PROCÉDÉ DE TRAITEMENT THERMIQUE D'UNE BANDE MÉTALLIQUE

Publication

EP 2167695 A1 20100331 (DE)

Application

EP 08756831 A 20080619

Priority

- AT 2008000221 W 20080619
- AT 11352007 A 20070718

Abstract (en)

[origin: WO2009009809A1] A method for the heat treatment of a metal band (2) prior to a metal coating step is described, wherein first the metal band (2) is heated in a directly fired furnace part (3) with the help of hot flue gases and subsequently is tempered in a furnace section (4) having at least one muffle (5) in a reducing shielding gas atmosphere. In order to be able to advantageously use the thermal energy of the flue gases, it is proposed to heat the muffle (5) with the help of the flue gases from the directly fired furnace part (3).

IPC 8 full level

C21D 9/56 (2006.01)

CPC (source: EP US)

C21D 1/52 (2013.01 - EP); **C21D 9/0043** (2013.01 - EP); **C21D 9/561** (2013.01 - EP); **C21D 9/565** (2013.01 - EP); **C23C 2/0222** (2022.08 - EP US); **C23C 2/0224** (2022.08 - EP US); **C23C 2/40** (2013.01 - EP); **F27B 9/28** (2013.01 - EP)

Cited by

US11104975B2

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

AT 505289 A4 20081215; **AT 505289 B1 20081215**; EP 2167695 A1 20100331; EP 2167695 B1 20170531; TW 200914625 A 20090401; WO 2009009809 A1 20090122

DOCDB simple family (application)

AT 11352007 A 20070718; AT 2008000221 W 20080619; EP 08756831 A 20080619; TW 97123633 A 20080625