

Title (en)  
ROLLER HEARTH FURNACE FOR HEATING AND/OR TEMPERATURE EQUALISATION OF STEEL OR STEEL ALLOY CONTINUOUS CAST PRODUCTS AND ARRANGEMENT THEREOF BEFORE A HOT STRIP FINAL ROLLING MILL

Title (de)  
ROLLENHERDOFEN ZUM AUFHEIZEN UND/ODER TEMPERATURAUSGLEICHEN VON STRANGGIESSPRODUKTEN AUS STAHL ODER STAHLLEGIERUNGEN UND DESSEN ANORDNUNG VOR EINER WARMBAND-FERTIGWALZSTRASSE

Title (fr)  
FOUR À ROULEAUX DESTINÉ AU CHAUFFAGE ET/OU À LA COMPENSATION DE TEMPÉRATURE DE PRODUITS DE COULÉE CONTINUE EN ACIER OU EN ALLIAGES D'ACIER ET DISPOSITION D'UN TEL FOUR EN AMONT D'UN TRAIN FINISSEUR À FEUILLARDS À CHAUD

Publication  
**EP 1982134 B1 20110316 (DE)**

Application  
**EP 06829688 A 20061218**

Priority  
• EP 2006012164 W 20061218  
• DE 102006005635 A 20060208

Abstract (en)  
[origin: US2009298001A1] The invention relates to a roller hearth furnace (1) for heating and/or temperature equilibration of continuous cast products (2), comprising a first series of rollers (13) running in the longitudinal direction (12) and a second parallel series of rollers (15) on the outlet side (14), wherein a buffer zone (16) with lifting elements (17) for the perpendicular transport of the continuous cast product (2) is arranged between the series of rollers (13, 15). Furthermore, alternative arrangements for a further process route (28) are provided.

IPC 8 full level  
**F27B 9/02** (2006.01); **B22D 11/12** (2006.01); **C21D 9/00** (2006.01); **F27B 9/20** (2006.01); **F27B 9/24** (2006.01)

CPC (source: EP KR US)  
**B22D 11/1213** (2013.01 - EP US); **B22D 11/142** (2013.01 - EP US); **C21D 8/0226** (2013.01 - EP US); **C21D 9/0081** (2013.01 - EP US); **F27B 9/00** (2013.01 - KR); **F27B 9/021** (2013.01 - EP US); **F27B 9/201** (2013.01 - EP US); **F27B 9/2407** (2013.01 - EP US); **F27B 9/28** (2013.01 - KR); **B21B 1/466** (2013.01 - EP US); **B21B 45/004** (2013.01 - EP US)

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2009298001 A1 20091203; US 8376734 B2 20130219**; AR 059363 A1 20080326; AT E502271 T1 20110415; AU 2006337956 A1 20070816; AU 2006337956 A2 20080925; AU 2006337956 B2 20110721; BR PI0621316 A2 20111206; CA 2637464 A1 20070816; CA 2637464 C 20120605; CN 101365918 A 20090211; CN 101365918 B 20121114; DE 102006005635 A1 20070809; DE 502006009129 D1 20110428; EG 24856 A 20101031; EP 1982134 A1 20081022; EP 1982134 B1 20110316; JP 2009525874 A 20090716; KR 101146931 B1 20120522; KR 20080091779 A 20081014; MY 149470 A 20130830; RU 2387935 C2 20100427; TW 200730783 A 20070816; TW I381142 B 20130101; UA 90782 C2 20100525; WO 2007090455 A1 20070816; ZA 200806469 B 20090325

DOCDB simple family (application)  
**US 22374006 A 20061218**; AR P070100520 A 20070207; AT 06829688 T 20061218; AU 2006337956 A 20061218; BR PI0621316 A 20061218; CA 2637464 A 20061218; CN 200680052499 A 20061218; DE 102006005635 A 20060208; DE 502006009129 T 20061218; EG NA2008001266 A 20080718; EP 06829688 A 20061218; EP 2006012164 W 20061218; JP 2008553633 A 20061218; KR 20087018349 A 20061218; MY PI20082688 A 20061218; RU 2008128012 A 20061218; TW 96101369 A 20070115; UA A200809967 A 20061218; ZA 200806469 A 20080101