Title (en)

METHOD FOR THE PRODUCTION OF HOT-ROLLED METALLIC STRIPS, ESPECIALLY STEEL STRIPS, HAVING GREAT SURFACE QUALITY

Title (de)

VERFAHREN ZUM HERSTELLEN VON WARMGEWALZTEM METALLBAND, INSBESONDERE STAHLWERKSTOFFBAND, MIT HOHER OBERFLÄCHENGÜTE

Title (fr)

PROCÉDÉ DESTINÉS À LA PRODUCTION DE BANDES MÉTALLIQUES LAMINÉES À CHAUD, NOTAMMMENT DE BANDES EN ACIER À QUALITÉ DE SURFACE ÉLEVÉE

Publication

EP 1981660 A1 20081022 (DE)

Application

EP 06841130 A 20061222

Priority

• EP 2006012459 W 20061222
• DE 102006004688 A 20060202

Abstract (en)

[origin: WO2007087886A1] Disclosed are a method and a casting/rolling plant for producing hot-rolled metallic, particularly steel, strips (7) having great surface quality from slabs or flat thin bars (2, 2a) that are cast in a continuous casting process, descaling being performed based on a rotary descaling process. In order to take into account parameters which are not considered in prior art in addition to rotary descaling, the hydraulically oscillated permanent mold (9) travels along several different oscillation curves (16, 17, 18) while the oscillation marks are deep-cleaned by adjusting the oscillation pattern that is determined to be optimal for each casting material.

IPC 8 full level

B21B 45/08 (2006.01); **B22D 11/053** (2006.01); **B22D 11/12** (2006.01)

CPC (source: EP KR US)

B21B 45/04 (2013.01 - KR); **B21B 45/08** (2013.01 - EP KR US); **B22D 11/053** (2013.01 - EP KR US); **B22D 11/12** (2013.01 - EP KR US); B21B 1/463 (2013.01 - EP US); B21B 13/22 (2013.01 - EP US)

Citation (search report)

See references of WO 2007087886A1

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)

WO 2007087886 A1 20070809; AR 059290 A1 20080326; AU 2006337463 A1 20070809; AU 2006337463 A2 20081106; AU 2006337463 B2 20120405; BR PI0621300 A2 20110705; CA 2640751 A1 20070809; CA 2640751 C 20130312; CN 101410198 A 20090415; CN 101410198 B 20110810; DE 102006004688 A1 20070816; EG 25282 A 20111205; EP 1981660 A1 20081022; EP 1981660 B1 20120704; ES 2389860 T3 20121102; JP 2009525182 A 20090709; KR 20080106891 A 20081209; MX 2008009949 A 20090116; RU 2008135453 A 20100310; RU 2414978 C2 20110327; TW 200732060 A 20070901; TW I381894 B 20130111; UA 95100 C2 20110711; US 2012048501 A1 20120301; ZA 200805313 B 20090930

DOCDB simple family (application)

EP 2006012459 W 20061222; AR P070100438 A 20070201; AU 2006337463 A 20061222; BR PI0621300 A 20061222; CA 2640751 A 20061222; CN 200680052118 A 20061222; DE 102006004688 A 20060202; EG 2008081309 A 20080803; EP 06841130 A 20061222; ES 06841130 T 20061222; JP 2008552695 A 20061222; KR 20087018826 A 20080730; MX 2008009949 A 20061222; RU 2008135453 A 20061222; TW 96101179 A 20070112; UA A200810827 A 20061222; US 22341006 A 20061222; ZA 200805313 A 20080619