

Title (en)
A METHOD OF PRODUCING STEEL STRIP

Title (de)
VERFAHREN ZUR HERSTELLUNG VON STAHLBÄNDERN

Title (fr)
PROCEDE DE PRODUCTION DE BANDES D'ACIER

Publication
EP 1337362 A4 20041103 (EN)

Application
EP 01971503 A 20010928

Priority
• AU 0101224 W 20010928
• AU PR046000 A 20001002

Abstract (en)
[origin: WO0228569A1] Steel strips and methods for producing steel strips are provided. In an illustrated embodiment, a method for producing steel strips includes continuously casting molten steel into a strip, said molten steel comprising a concentration of residuals of 2.0 wt% or less is selected with regard to the microstructure of the finished strip to provide a desired yield strength; and cooling the strip to transform the strip from austenite to ferrite in the temperature range of 850 DEG C to 400 DEG C. Cast steel with improved yield strength properties is produced by such method.

IPC 1-7
B22D 11/06; **C21D 8/02**; **C21D 1/00**

IPC 8 full level
B21B 1/46 (2006.01); **B22D 11/00** (2006.01); **B22D 11/06** (2006.01); **B22D 11/12** (2006.01); **B22D 11/124** (2006.01); **B22D 11/22** (2006.01); **C21D 8/02** (2006.01); **C22C 38/00** (2006.01); **C22C 38/06** (2006.01); **C22C 38/60** (2006.01); **C21D 1/18** (2006.01); **C21D 9/573** (2006.01)

CPC (source: EP KR US)
B22D 11/06 (2013.01 - KR); **B22D 11/0622** (2013.01 - EP US); **B22D 11/225** (2013.01 - EP US); **C21D 8/0215** (2013.01 - EP US); **C21D 8/0226** (2013.01 - EP US); **C21D 1/18** (2013.01 - EP US); **C21D 9/573** (2013.01 - EP US)

Citation (search report)
• [X] WO 9857767 A1 19981223 - ACCIAI SPECIALI TERNI SPA [IT], et al
• [X] EP 0641867 A1 19950308 - NIPPON STEEL CORP [JP]
• [X] EP 0706845 A1 19960417 - NIPPON STEEL CORP [JP]
• [X] EP 0707908 A1 19960424 - NIPPON STEEL CORP [JP]
• [X] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 03 31 March 1997 (1997-03-31)
• [A] SACHS K: "Residuals in engineering steels", METALS TECHNOLOGY, METALS SOCIETY, LONDON, GB, January 1979 (1979-01-01), pages 33 - 37, XP002278883, ISSN: 0307-1693
• See references of WO 0228569A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0228569 A1 20020411; AU PR046000 A0 20001026; BR 0114404 A 20030729; CA 2422133 A1 20020411; CN 1466503 A 20040107; EP 1337362 A1 20030827; EP 1337362 A4 20041103; JP 2004509770 A 20040402; KR 20030064762 A 20030802; KR 20090011018 A 20090130; MX PA03002806 A 20040910; MY 134909 A 20071231; RU 2307002 C2 20070927; TW 520307 B 20030211; US 2002043304 A1 20020418

DOCDB simple family (application)
AU 0101224 W 20010928; AU PR046000 A 20001002; BR 0114404 A 20010928; CA 2422133 A 20010928; CN 01816306 A 20010928; EP 01971503 A 20010928; JP 2002532385 A 20010928; KR 20037004607 A 20030331; KR 20087030076 A 20081209; MX PA03002806 A 20010928; MY PI20014580 A 20011001; RU 2003112631 A 20010928; TW 90124082 A 20010928; US 96710501 A 20010928