

Title (en)

Process for manufacturing a hot rolled steel sheet with very high elastic limit and steel sheet produced accordingly

Title (de)

Verfahren zur Herstellung von warmgewalztem Stahlblech mit sehr hoher Elastizitätsgrenze und Stahlblech

Title (fr)

Procédé de réalisation d'une bande de tôle d'acier laminée à chaud à très haute limite d'élasticité et tôle d'acier obtenue

Publication

EP 0748877 B1 20010307 (FR)

Application

EP 96401263 A 19960611

Priority

FR 9507122 A 19950615

Abstract (en)

[origin: EP0748877A1] Steel sheet is made by hot rolling a steel containing max 0.1% C; 1-1.5 Mn; max 0.3 Si; max 0.03 P; max 0.01 S; 0.01-0.1 Al; 0.04-0.06 Nb; 0.1-0.15 Ti 0.1-0.2 Mo. After hot rolling it is cooled at 20-100 degrees C/sec until it reaches 550-750 degrees C.

IPC 1-7

C22C 38/12; **C22C 38/14**

IPC 8 full level

C22C 38/12 (2006.01); **C22C 38/14** (2006.01)

CPC (source: EP US)

C22C 38/12 (2013.01 - EP US); **C22C 38/14** (2013.01 - EP US)

Citation (examination)

H. Berns, Stahlkunde für Ingenieure, 2. ed. juillet 1993, Springer Verlag, Berlin, p. 109-111

Cited by

EP1099769A1; FR2801061A1; US6475308B1; US6797078B2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

EP 0748877 A1 19961218; **EP 0748877 B1 20010307**; AT E199575 T1 20010315; DE 69611950 D1 20010412; DE 69611950 T2 20010621; ES 2156985 T3 20010801; FR 2735498 A1 19961220; FR 2735498 B1 19970711; US 5716464 A 19980210

DOCDB simple family (application)

EP 96401263 A 19960611; AT 96401263 T 19960611; DE 69611950 T 19960611; ES 96401263 T 19960611; FR 9507122 A 19950615; US 66352996 A 19960613