

Title (en)

METHOD FOR PRODUCING A HIGHLY RESISTANT, VERY DUCTILE STEEL STRIP

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BANDSTAHLES MIT HOHER FESTIGKEIT UND GUTER UMFORMBARKEIT

Title (fr)

PROCEDE PERMETTANT DE FABRIQUER UN FEUILLARD D'ACIER A RESISTANCE ET A MALLEABILITE ELEVEES

Publication

EP 0966547 B1 20011004 (DE)

Application

EP 98916911 A 19980310

Priority

- DE 19710125 A 19970313
- EP 9801376 W 19980310

Abstract (en)

[origin: WO9840522A1] The invention relates to a method for producing a highly resistant (at least 900MPa), very ductile steel strip. The steel, containing (in mass per cent); 0.10 to 0.20 % C; 0.30 to 0.60 % Si; 1.50 to 2.00 % Mn; max. 0.08 % P; 0.30 to 0.80 % Cr; up to 0.40 % Mo; up to 0.20 % Ti and/or Zr; up to 0.08 % Nb; the remainder being Fe and unavoidable impurities, is melted, cast in slabs and then rolled out into a hot rolled strip. The roll end temperature is above 800°C, the cooling speed on the delivery roller table is at least 30°C/s and the reel temperature is 300 to 600°C.

IPC 1-7

C21D 8/02

IPC 8 full level

C21D 8/02 (2006.01); **C22C 38/38** (2006.01)

CPC (source: EP)

C21D 8/0226 (2013.01); **C22C 38/38** (2013.01); **C21D 2211/002** (2013.01); **C21D 2211/008** (2013.01)

Cited by

EP2028282A1; EP2028282B1; EP2489748A1; WO2012110165A1; EP1399598B2; EP1577412B2; EP0966090A2

Designated contracting state (EPC)

AT BE DE ES FI FR GB IT LU NL SE

DOCDB simple family (publication)

WO 9840522 A1 19980917; AR 010130 A1 20000517; AT E206472 T1 20011015; CA 2284124 A1 19980917; CN 1082549 C 20020410; CN 1252105 A 20000503; CZ 290944 B6 20021113; CZ 321999 A3 20000712; DE 19710125 A1 19980917; DE 59801637 D1 20011108; EP 0966547 A1 19991229; EP 0966547 B1 20011004; ES 2165157 T3 20020301; PL 186831 B1 20040331; PL 335639 A1 20000508; ZA 982115 B 19980914

DOCDB simple family (application)

EP 9801376 W 19980310; AR P980101113 A 19980312; AT 98916911 T 19980310; CA 2284124 A 19980310; CN 98804018 A 19980310; CZ 321999 A 19980310; DE 19710125 A 19970313; DE 59801637 T 19980310; EP 98916911 A 19980310; ES 98916911 T 19980310; PL 33563998 A 19980310; ZA 982115 A 19980312