

Title (en)
Stainless steel wire and process for production

Title (de)
Draht aus rostfreies Stahl und Verfahren zur Herstellung

Title (fr)
Fil en acier inoxydable et procédé de fabrication

Publication
EP 0851039 B1 20010816 (FR)

Application
EP 97402907 A 19971203

Priority
FR 9616250 A 19961231

Abstract (en)
[origin: EP0851039A1] Stainless steel contains by weight 0-0.03% carbon, 0-2% manganese, 0-0.5% silicon, 8-9% nickel, 17-18% chromium, 0-0.4% molybdenum, 3-3.5% copper, 0-0.03% nitrogen, less than 0.01% sulphur and less than 0.04% phosphorous, the rest being iron and impurities. Also claimed are wire made of this steel, less than 2 mm. in diameter and with tensile strength over 2100 MPa, also heating a preformed wire of such steel with a diameter of at least 5 mm. and fast-quenching it to produce an austenitic structure, then cold-drawing it to a diameter below 2 mm.

IPC 1-7
C22C 38/42; **C21D 6/00**; **C21D 9/52**

IPC 8 full level
B21C 1/00 (2006.01); **C21D 6/00** (2006.01); **C21D 8/06** (2006.01); **C21D 9/52** (2006.01); **C22C 38/00** (2006.01); **C22C 38/42** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP US)
C21D 6/004 (2013.01 - EP US); **C21D 8/065** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP US); **Y10S 148/908** (2013.01 - EP US); **Y10T 428/12431** (2015.01 - EP US)

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EP0976541A1; FR2781814A1; US7166174B2; US6322907B1; WO03010353A1

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 0851039 A1 19980701; **EP 0851039 B1 20010816**; AT E204343 T1 20010915; AU 4692197 A 19980702; AU 717911 B2 20000406; BR 9705615 A 19990309; CA 2223656 A1 19980630; CA 2223656 C 20041026; CN 1076404 C 20011219; CN 1192482 A 19980909; DE 69706131 D1 20010920; DE 69706131 T2 20020321; DK 0851039 T3 20011112; ES 2162218 T3 20011216; FR 2757878 A1 19980703; FR 2757878 B1 19990205; ID 19297 A 19980702; JP H10204592 A 19980804; KR 100487265 B1 20050616; KR 19980064827 A 19981007; PT 851039 E 20020130; TW 448233 B 20010801; US 6106639 A 20000822; ZA 9711350 B 19980623

DOCDB simple family (application)
EP 97402907 A 19971203; AT 97402907 T 19971203; AU 4692197 A 19971208; BR 9705615 A 19971230; CA 2223656 A 19971204; CN 97108588 A 19971230; DE 69706131 T 19971203; DK 97402907 T 19971203; ES 97402907 T 19971203; FR 9616250 A 19961231; ID 973972 A 19971224; JP 36835297 A 19971226; KR 19970078938 A 19971230; PT 97402907 T 19971203; TW 86118434 A 19971208; US 99365897 A 19971218; ZA 9711350 A 19971217