

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.

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

CPC (source: EP US)  
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Cited by  
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