

Title (en)
Stainless austenitic steel suitable for the manufacture of wires

Title (de)
Rostfreier austenitischer Stahl, geeignet zur Herstellung von Drähten

Title (fr)
Acier inoxydable austénitique pour l'élaboration notamment de fil

Publication
EP 0947591 B1 20040204 (FR)

Application
EP 99400602 A 19990312

Priority
FR 9803263 A 19980318

Abstract (en)
[origin: US6123784A] Austenitic stainless steel for the production of wire, which can be used in the field of drawing wire down to diameters of less than 0.3 mm and in the field of producing components subjected to fatigue, characterized by the following composition by weight: 5x10-3%</=carbon</=200x10-3% 5x10-3%</=nitrogen</=400x10-3% 0.2%</=manganese</=10% 12%</=chromium</=23% 0.1%</=nickel</=17% 0.1%</=silicon</=2%, in which the residual elements are controlled so as to obtain inclusions of oxides in the form of a glassy mixture, the proportions by weight of which are as follows: 40%</=SiO2</=60% 5%</=MnO</=50% 1%</=CaO</=30% 0%</=MgO</=4% 5%</=Al2O3</=25% 0%</=Cr2O3</=4% 0%</=TiO2</=4%.

IPC 1-7
C21D 8/06; **C22C 38/40**

IPC 8 full level
C22C 38/00 (2006.01); **C22C 38/02** (2006.01); **C22C 38/38** (2006.01); **C22C 38/40** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP KR US)
C22C 38/02 (2013.01 - EP US); **C22C 38/38** (2013.01 - EP US); **C22C 38/40** (2013.01 - KR); **C22C 38/58** (2013.01 - EP US);
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Cited by
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AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

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US 6123784 A 20000926; AT E258999 T1 20040215; AU 2036799 A 19990930; AU 737767 B2 20010830; BR 9903041 A 20010320; CA 2266597 A1 19990918; CN 1098372 C 20030108; CN 1238392 A 19991215; DE 69914517 D1 20040311; DE 69914517 T2 20041223; EP 0947591 A1 19991006; EP 0947591 B1 20040204; ES 2212483 T3 20040716; FR 2776306 A1 19990924; FR 2776306 B1 20000519; HK 1026923 A1 20001229; ID 23217 A 20000330; JP H11315350 A 19991116; KR 19990077924 A 19991025; TW 476795 B 20020221; ZA 992060 B 19990927

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US 27076299 A 19990317; AT 99400602 T 19990312; AU 2036799 A 19990315; BR 9903041 A 19990318; CA 2266597 A 19990315; CN 99105980 A 19990318; DE 69914517 T 19990312; EP 99400602 A 19990312; ES 99400602 T 19990312; FR 9803263 A 19980318; HK 00102134 A 20000406; ID 990231 D 19990317; JP 7368299 A 19990318; KR 19990008796 A 19990316; TW 88103579 A 19990309; ZA 992060 A 19990315