

Title (en)
WIRE MATERIAL, STEEL WIRE, AND PROCESSES FOR PRODUCTION OF THOSE PRODUCTS

Title (de)
DRAHTMATERIAL, STAHLDRAHT UND VERFAHREN ZUR HERSTELLUNG DIESER PRODUKTE

Title (fr)
MATÉRIAU POUR FILS, FIL D'ACIER ET PROCÉDÉS DE PRODUCTION ASSOCIÉS

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Application
EP 10838391 A 20101019

Priority
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Abstract (en)
[origin: WO2011092905A1] A wire material comprising 0.95 to 1.30 mass% of C, 0.1 to 1.5 mass% of Si, 0.1 to 1.0 mass% of Mn, 0 to 0.1 mass% of Al, 0 to 0.1 mass% of Ti, 0 to 0.02 mass% of P, 0 to 0.02 mass% of S, 10 to 50 ppm of N, 10 to 40 ppm of O, and the remainder containing at least Fe and unavoidable impurities, wherein 97% or more of the area of a cross-sectional surface perpendicular to the length-wise direction of the wire material is occupied by a pearlite structure, and wherein both a 0.5% or less of the area of the center region of the cross-sectional surface and 0.5% or less of the area of a first surface layer region of the cross-sectional surface are occupied by a pro-eitectoid cementite structure.

IPC 8 full level
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• JP 2008208450 A 20080911 - NIPPON STEEL CORP
• JP H05295448 A 19931109 - NIPPON STEEL CORP
• JP 2939770 B2 19990825
• JP 2735647 B2 19980402

Cited by
EP3282027A4; EP3366802A4; US10597748B2

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