

Title (en)

HIGH STRENGTH, LOW CARBON, DUAL PHASE STEEL RODS AND WIRES AND PROCESS FOR MAKING SAME.

Title (de)

HOCHFESTE ZWEIPHASIGE STAHLSTANGEN UND DRÄHTE MIT NIEDRIGEM KOHLENSTOFFGEHALT, SOWIE DEREN HERSTELLUNGSVERFAHREN.

Title (fr)

FILS ET TIGES D'ACIER DOUX A DOUBLE PHASE ET A GRANDE RESISTANCE, AINSI QUE LEUR PROCEDE DE FABRICATION.

Publication

EP 0128139 A4 19850916 (EN)

Application

EP 83900309 A 19821209

Priority

US 8201722 W 19821209

Abstract (en)

[origin: WO8402354A1] A high strength, high ductility, low carbon, dual phase steel wire, bar or rod and process for making the same. The steel wire, bar or rod is produced by cold drawing to the desired diameter in a single multipass operation a low carbon steel composition characterized by a duplex microstructure consisting essentially of a strong second phase dispersed in a soft ferrite matrix with a microstructure and morphology having sufficient cold formability to allow reductions in cross-sectional area of up to about 99.9 %. Tensile strengths of at least 120 ksi to over 400 ksi may be obtained.

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR)

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- [X] EP 0058016 A1 19820818 - KOBE STEEL LTD [JP]
- [X] FR 2238768 A1 19750221 - SGTM [FR]
- [X] PATENTS ABSTRACTS OF JAPAN, vol. 1, no. 27, March 28, 1977, page 1396, C 76; & JP-A-51 144 329 (KOBE SEIKOSHO K.K.) 11-12-1976

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