

Title (en)

WIRE RODS HAVING SUPERIOR STRENGTH AND DUCTILITY FOR DRAWING AND METHOD FOR MANUFACTURING THE SAME

Title (de)

DRÄHTE MIT ÜBERLEGENER FESTIGKEIT UND DUKTILITÄT ZUM ZIEHEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

TIGES DE FIL MÉTALLIQUE POUR ÉTIRAGE PRÉSENTANT UNE RÉSISTANCE ET UNE DUCTILITÉ ÉLEVÉES, ET PROCÉDÉ DE FABRICATION DE TELLES TIGES

Publication

**EP 2238271 A1 20101013 (EN)**

Application

**EP 08867709 A 20081112**

Priority

- KR 2008006660 W 20081112
- KR 20070139434 A 20071227

Abstract (en)

[origin: WO2009084811A1] There are provided a wire rod for drawing having superior strength and ductility and a method for manufacturing the same. The wire rod for drawing comprises, by weight: carbon (C): 0.87 to 1.0%, manganese (Mn): 0.1 to 0.60%, silicon (Si): 0.3 to 1.0%, sulfur (S): 0.010% or less (excluding 0%), phosphorus (P): 0.011% or less (excluding 0%), chromium (Cr): 0.1 to 0.5%, nitrogen (N): 0.007% or less (excluding 0%), and the balance of iron (Fe) and other inevitable impurities, wherein the sum of the Si and Cr contents satisfies the following equation:  $0.6 = \text{Si} + \text{Cr} = 1.2$  (the contents of Si and Cr is represented by '% by weight'), and the wire rod has a pearlite structure.

IPC 8 full level

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CPC (source: EP KR US)

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