

Title (en)

Wire rod excellent in wire-drawing workability and method for producing same

Title (de)

Drahtstange mit hervorragenden Zieheigenschaften und Verfahren zu ihrer Herstellung

Title (fr)

Barre de fil ayant une capacité de tréfilage supérieure et sa procédé de production

Publication

**EP 1865079 A1 20071212 (EN)**

Application

**EP 07252270 A 20070606**

Priority

JP 2006157622 A 20060606

Abstract (en)

Disclosed are a wire rod and a method therefor. The wire rod is excellent in wire-drawing workability, insusceptible to wire break in spite of an increase in wire-drawing rate, and reduction of area, and capable of extending a die life by suppressing die wear. The wire rod is made of steel containing C: 0.6 to 1.1 %, Si: 0.1 to 2.0%, Mn: 0.1 to 1 %, P: not more than 0.20 %, S: not more than 0.20 %, N: not more than 0.006 %, Al : not more than 0.03 %, and O: not more than 0.003 %, the balance including Fe, and unavoidable impurities. Further, the wire rod comprises a pearlite structure wherein an area ratio of a second-phase ferrite is not more than 11.0 %, and a pearlite lamellar spacing is not less than 120  $\mu\text{m}$ .

IPC 8 full level

**C21D 8/06** (2006.01); **C22C 38/00** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

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