

Title (en)
WIRE ROD

Title (de)
WALZDRAHT

Title (fr)
FIL MACHINE

Publication
EP 3988678 B1 20231206 (EN)

Application
EP 20827854 A 20200619

Priority
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Abstract (en)
[origin: EP3988678A1] This wire rod has a predetermined chemical composition, satisfies the following (1) to (3), contains a pearlite structure having 90% or more of a metal structure, and satisfies the following (4) in a case in which a value of a Vickers hardness at a surface layer portion for each sample is HV_{si} with respect to each of eight samples si collected at arbitrary equal intervals in a longitudinal direction of the wire rod, and an average value and maximum value of HV_{si} are respectively Hv_{siave} and Hv_{simax} : $Cu/Ni > 1.001.70 \leq Y1 \leq 4.50$ $Y1 = 3 \times Cr + 5 \times Mn + Cu + Ni$ $Y2 < 1.81$ $Y2 = C + Si/10 + AA$ satisfies $A = a$ in a case in which a value of $a = 350 \times ([N] - 0.29 \times [Ti])$ satisfies $a \geq 0$, and $A = 0$ in a case in which the value satisfies $a < 0$ $Hvsimax - Hvsiaive \leq 50$.

IPC 8 full level
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CPC (source: CN EP)
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