

Title (en)
WIRE ROD

Title (de)
WALZDRAHT

Title (fr)
FIL MACHINE

Publication
EP 3561100 A4 20200729 (EN)

Application
EP 17884608 A 20171220

Priority
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• JP 2017045740 W 20171220

Abstract (en)
[origin: EP3561100A1] A wire rod according to an aspect of the present invention includes a chemical composition within a predetermined range; in which an average value of %Mn+2×%Cr over an entirety of the wire rod is 0.50% to 1.00%; 90% or more of a metallographic structure is pearlite by area fraction, and the area fraction of the cementite is less than 3%; a maximum grain size of TiN is less than 15 μm; a maximum value of %Mn+2×%Cr in a region where both a S content and an O content are less than 1% in a central portion is 2.0 times or less than the average value of %Mn+2×%Cr over the entirety of the wire rod, and a ratio of the maximum value to a minimum value of %Mn+2×%Cr in a region where both a S content and an O content are less than 1% in an outer circumferential portion is 2.0 or less.

IPC 8 full level
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Citation (search report)
• [X] WO 2016024635 A1 20160218 - NIPPON STEEL & SUMITOMO METAL CORP [JP]
• [A] US 6322641 B1 20011127 - MAKII KOICHI [JP], et al
• [A] JP 2008261028 A 20081030 - NIPPON STEEL CORP
• See references of WO 2018117157A1

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