

Title (en)
HOT-ROLLED WIRE

Title (de)
HEISSGEWALTZTER DRAHT

Title (fr)
FIL LAMINÉ À CHAUD

Publication
EP 3133182 A4 20171011 (EN)

Application
EP 15780257 A 20150323

Priority
• JP 2014086532 A 20140418
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Abstract (en)
[origin: EP3133182A1] The present invention provides a hot rolled wire rod having high strength and excellent SSC resistance. Disclosed is a hot rolled wire rod including, in percent by mass: C: 0.20 to 0.5%, Si: 0.05 to 0.3%, Mn: 0.3 to 1.5%, Al: 0.001 to 0.1%, P: exceeding 0% and 0.01% or less, and S: exceeding 0% and 0.01% or less, with the balance being iron and inevitable impurities. When the sulfur content in the hot rolled wire rod is measured at 300 sites or more at intervals of 200 μm using an electron beam microanalyzer, a segregation ratio (S max /S ave) is 30 or less, where a segregation ratio is defined as a ratio of the maximum sulfur content S max (% by mass) to an average sulfur content S ave (% by mass).

IPC 8 full level
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Citation (search report)
• [X] GB 2040197 A 19800828 - SOUTHWIRE CO
• [A] EP 1197571 A1 20020417 - SUMITOMO METAL IND [JP]
• See references of WO 2015159650A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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