

Title (en)

STEEL MATERIAL HAVING EXCELLENT RESISTANCE TO SULFIDE STRESS CRACKING AND METHOD FOR MANUFACTURING SAME

Title (de)

STAHLMATERIAL MIT AUSGEZEICHNETER BESTÄNDIGKEIT GEGEN SULFIDSPANNUNGSRISSBILDUNG UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

MATÉRIAUX D'ACIER AYANT UNE EXCELLENTE RÉSISTANCE À LA FISSURATION PAR CONTRAINTE DE SULFURE ET SON PROCÉDÉ DE FABRICATION

Publication

**EP 4079919 A4 20230517 (EN)**

Application

**EP 20902517 A 20201215**

Priority

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Abstract (en)

[origin: EP4079919A1] The present invention relates to a thick steel material suitable for use as a line pipe, a sour-resistant material, or the like, and more specifically, to a high-strength steel material having excellent resistance to sulfide stress cracking while at the same time having excellent resistance to propagation of sulfide stress cracking, and a method for manufacturing the same.

IPC 8 full level

**C22C 38/58** (2006.01); **C21D 1/02** (2006.01); **C21D 1/19** (2006.01); **C21D 8/02** (2006.01); **C21D 9/46** (2006.01); **C22C 38/44** (2006.01);  
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CPC (source: EP KR US)

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**C21D 2211/009** (2013.01 - EP US); **C21D 2221/00** (2013.01 - US)

Citation (search report)

- [X] WO 2019058422 A1 20190328 - NIPPON STEEL & SUMITOMO METAL CORP [JP]
- [I] JP H10298645 A 19981110 - SUMITOMO METAL IND
- See references of WO 2021125734A1

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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KR 102326109 B1 20211116; KR 20210076482 A 20210624; US 2023026210 A1 20230126; WO 2021125734 A1 20210624

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KR 2020018309 W 20201215; US 202017784026 A 20201215