

Title (en)
OIL WELL PIPE FOR EXPANDABLE TUBULAR

Title (de)
ÖLBOHRLOCHROHR FÜR EXPANDIERBARES ROHR

Title (fr)
TUYAU DE Puits DE PÉTROLE POUR MATÉRIEL TUBULAIRE EXTENSIBLE

Publication
EP 3450585 A4 20200318 (EN)

Application
EP 16915083 A 20160830

Priority
JP 2016075364 W 20160830

Abstract (en)
[origin: EP3450585A1] An oil well pipe for expandable tubular, containing, in terms of % by mass: 0.020 to 0.080% of C, 0.50% or less of Si, 0.30 to 1.60% of Mn, 0.030% or less of P, 0.010% or less of S, 0.005 to 0.050% of Ti, and 0.010 to 0.500% of Al, and the balance being Fe and impurities, wherein, in a metallographic microstructure, an area fraction of a first phase composed of ferrite is from 90.0% to 98.0% and an area fraction of a second phase composed of one or more selected from the group consisting of tempered martensite, tempered bainite, and pearlite is from 2.0% to 10.0%.

IPC 8 full level
C22C 38/02 (2006.01); **C21D 1/18** (2006.01); **C21D 9/08** (2006.01); **C22C 38/00** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/08** (2006.01); **C22C 38/12** (2006.01); **C22C 38/14** (2006.01); **C22C 38/16** (2006.01); **C22C 38/20** (2006.01); **C22C 38/22** (2006.01); **C22C 38/24** (2006.01); **C22C 38/26** (2006.01); **C22C 38/28** (2006.01); **C22C 38/44** (2006.01); **C22C 38/46** (2006.01); **C22C 38/48** (2006.01); **C22C 38/50** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP KR US)
C21D 1/18 (2013.01 - EP); **C21D 8/105** (2013.01 - US); **C21D 9/08** (2013.01 - EP KR); **C21D 9/085** (2013.01 - EP US); **C22C 38/00** (2013.01 - EP US); **C22C 38/002** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP KR US); **C22C 38/04** (2013.01 - EP KR US); **C22C 38/06** (2013.01 - EP KR US); **C22C 38/08** (2013.01 - EP US); **C22C 38/12** (2013.01 - EP US); **C22C 38/14** (2013.01 - EP KR US); **C22C 38/16** (2013.01 - EP US); **C22C 38/20** (2013.01 - EP); **C22C 38/22** (2013.01 - EP); **C22C 38/24** (2013.01 - EP); **C22C 38/26** (2013.01 - EP US); **C22C 38/28** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP); **C22C 38/46** (2013.01 - EP); **C22C 38/48** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP); **C22C 38/58** (2013.01 - US); **C21D 9/08** (2013.01 - US); **C21D 2211/002** (2013.01 - US); **C21D 2211/005** (2013.01 - KR US); **C21D 2211/008** (2013.01 - US); **C21D 2211/009** (2013.01 - US)

Citation (search report)

- [X] EP 2837708 A1 20150218 - JFE STEEL CORP [JP]
- [XI] EP 2000555 A1 20081210 - SUMITOMO METAL IND [JP]
- [A] US 2012031532 A1 20120209 - ISHIKAWA HAJIME [JP], et al
- [A] EP 2902519 A1 20150805 - NIPPON STEEL & SUMITOMO METAL CORP [JP]
- [A] EP 2933346 A1 20151021 - NIPPON STEEL & SUMITOMO METAL CORP [JP]
- See references of WO 2018042522A1

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