

Title (en)
LOW ALLOY STEEL

Title (de)
LEGIERUNGSSTAHL

Title (fr)
ACIER FAIBLEMENT ALLIÉ

Publication
EP 2803743 A4 20160309 (EN)

Application
EP 12865286 A 20121217

Priority
• JP 2012004103 A 20120112
• JP 2012082606 W 20121217

Abstract (en)
[origin: EP2803743A1] A low alloy steel, containing, by mass percent, C: 0.01 to 0.15%, Si: 3% or less, Mn: 3% or less, B: 0.005 to 0.050%, and Al: 0.08% or less, and the balance being Fe and impurities, wherein in the impurities, N: 0.01% or less, P: 0.05% or less, S: 0.03% or less, and O: 0.03% or less. In the alloy steel, a HAZ has excellent resistance to embrittlement attributable to hydrogen such as stress corrosion cracking in wet hydrogen sulfide environments.

IPC 8 full level
C22C 38/00 (2006.01); **C22C 38/06** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP US)
C21D 9/00 (2013.01 - EP US); **C21D 9/14** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/002** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/08** (2013.01 - US); **C22C 38/12** (2013.01 - EP US); **C22C 38/14** (2013.01 - EP US); **C22C 38/24** (2013.01 - EP US); **C22C 38/32** (2013.01 - EP US); **C22C 38/38** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/46** (2013.01 - EP US); **C22C 38/48** (2013.01 - EP US); **C22C 38/54** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP US); **E21B 17/00** (2013.01 - US); **E21B 17/01** (2013.01 - US); **C21D 9/08** (2013.01 - EP US); **C21D 9/50** (2013.01 - EP US)

Citation (search report)
• [XY] JP 2000178688 A 20000627 - NISSHIN STEEL CO LTD, et al
• [YD] JP 2010024504 A 20100204 - SUMITOMO METAL IND
• See references of WO 2013105395A1

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

DOCDB simple family (publication)
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