

Title (en)
LOW ALLOY STEEL

Title (de)
LEGIERUNGSSTAHL

Title (fr)
ACIER FAIBLEMENT ALLIÉ

Publication
EP 2803743 B1 20180822 (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); **C21D 9/00** (2006.01); **C21D 9/08** (2006.01); **C21D 9/14** (2006.01); **C21D 9/50** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/12** (2006.01); **C22C 38/14** (2006.01); **C22C 38/24** (2006.01); **C22C 38/32** (2006.01); **C22C 38/38** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01); **C22C 38/46** (2006.01); **C22C 38/48** (2006.01); **C22C 38/54** (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)

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