

Title (en)

Low alloy steel having good stress corrosion cracking resistance.

Title (de)

Niedriglegierter Stahl mit guter Beständigkeit gegen Spannungsrisskorrosion.

Title (fr)

Acier faiblement allié présentant une bonne résistance à la corrosion fissurante sous tension.

Publication

**EP 0225425 A2 19870616 (EN)**

Application

**EP 86108534 A 19860623**

Priority

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Abstract (en)

The present invention relates to low alloy steel and specifically to nickel-chrome-molybdenum steel. A low alloy steel having excellent stress corrosion cracking resistance containing C : @</= @ 0.40 %, Si : @</= @ 0.15 %, Mn : @</= @ 0.20 %, P : @</= @ 0.010 %, S : @</= @ 0.030% Ni : 0.50 to 4.00 %, Cr : 0.50 to 2.50 %, Mo : 0.25 to 4.00 % and V : @</= @ 0.30 %, said Si, Mn and P being fulfilled with relationship of Si + Mn + 20P @</= @ 0.30 %, the remainder comprising Fe and unavoidable impurities, the prior austenite crystal grain size being in excess of 4 of ASTM crystal grain size number.

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**C22C 38/44**

IPC 8 full level

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CPC (source: EP)

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Cited by

DE102014016073A1; EP2159296A4; EP4008801A1; EP2671959A1; EP0761836A1; EP0384181A3; EP0505085A1; US5288455A; EP0805220A1; FR2748036A1; US5855845A; AU708786B2; US6224334B1; DE102016005532A1

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