

Title (en)

HIGH STRENGTH SEAMLESS STEEL PIPE AND RISER

Title (de)

HOCHFESTES NAHTLOSES STAHLROHR UND STEIGROHR

Title (fr)

TUYAU ET COLONNE MONTANTE EN ACIER SANS SOUDURE DE HAUTE RÉSISTANCE

Publication

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Application

EP 17833981 A 20170705

Priority

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Abstract (en)

A high-strength seamless steel pipe providing both high strength and low hardness in a stable manner while weldability is maintained is provided.
A high-strength seamless steel pipe has a chemical composition of, in mass %: 0.10 to 0.18 % C; 0.03 to 1.0 % Si; 0.5 to 2.0 % Mn; up to 0.020 % P; up to 0.0080 % S; 0.10 to 0.60 % Cr; 0.10 to 0.40 % Mo; 0.02 to 0.40 % V; 0.004 to 0.020 % Ti; 0.0005 to 0.005 % B; up to 0.10 % Al; up to 0.008 % N; 0.0004 to 0.0040 % Ca; 0.1 to 1.0 % Cu; 0.2 to 1.0 % Ni; 0 to 0.05 % Nb; and the balance being Fe and impurities, wherein the following formula, F (1), is satisfied:
$$C+Si/30+(Mn+Cu+Cr)/20+Ni/60+Mo/15+V/10+5\times B\leq 0.28$$

F (1) For the element symbols in F (1), the contents of the corresponding elements in mass % are substituted.

IPC 8 full level

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