

Title (en)

USE OF A STEEL ALLOY FOR PRODUCING HIGH-TENSILE SEAMLESS STEEL TUBES

Title (de)

VERWENDUNG EINER STAHLLEGIERUNG ZUR HERSTELLUNG HOCHFESTER NAHTLOSER STAHLROHRE

Title (fr)

UTILISATION D'UN ALLIAGE D'ACIER POUR PRODUIRE DES TUBES D'ACIER SANS JOINT A RESISTANCE ELEVEE

Publication

EP 1218559 B1 20030521 (DE)

Application

EP 00965759 A 20000814

Priority

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- DE 19942641 A 19990830

Abstract (en)

[origin: DE19942641A1] The invention relates to the use of a steel alloy that contains (in % by weight): C 0.12-0.25 %; Si \leq 0.40 %; Mn 1.20-1.80 %; P \leq 0.025 %; S \leq 0.010 %; Al 0.01-0.06 %; Cr 0.20-0.50 %; Mo 0.20-0.50 %; V 0.03-0.10 %; Cu \leq 0.20 %; N \leq 0.02 %, remainder iron and usual impurities, for producing high-tensile, weldable seamless steel tubes to be used as constructional tubes. The steel tubes are hot-rolled and are then quenched and tempered. The invention is especially characterized in that the steel alloy additionally contains 0.30-1.00 % W and that the Ni content possibly present in the alloy does not exceed 0.20 %.

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