

Title (en)

USE OF A STEEL ALLOY AS A MATERIAL FOR PRODUCING THICK-WALLED TUBULAR PARTS FOR MOTOR VEHICLES

Title (de)

VERWENDUNG EINER STAHLLEGIERUNG ALS WERKSTOFF ZUR HERSTELLUNG VON DICKWANDIGEN ROHRBAUTEILEN FÜR KRAFTFAHRZEUGE

Title (fr)

UTILISATION D'UN ALLIAGE D'ACIER COMME MATIERE PREMIERE POUR LA PRODUCTION DE COMPOSANTS TUBULAIRES A PAROI EPAISSE DESTINES A DES VEHICULES AUTOMOBILES

Publication

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Application

**EP 03767465 A 20031126**

Priority

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Abstract (en)

[origin: WO2004048628A1] The invention relates to a steel alloy that consists, in percentages by mass, of: 0.09 0.13 % carbon (C); 0.15 0.30 % silicon (Si); 1.10 1.60 % manganese (Mn); a maximum of 0.015 % phosphorous (P); a maximum of 0.011 % sulfur (S); 1.00 1.60 % chromium (Cr); 0.30 0.60 % molybdenum (Mo); 0.020 0.050 % aluminum (Al); 0.12 0.25 % vanadium (V), and; as the remainder, iron as well as impurities that result during smelting. This steel alloy is used as a material for tubes, which are air-hardened or both air-hardened and tempered, for producing thick-walled tubular parts for motor vehicles.

IPC 1-7

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