

Title (en)

PROCESS FOR MANUFACTURING STEEL PRESSURE VESSELS

Publication

EP 0308361 B1 19931013 (DE)

Application

EP 88730190 A 19880823

Priority

DE 3731481 A 19870916

Abstract (en)

[origin: EP0308361A1] To simplify the manufacture of pressure vessels and to enhance the properties thereof, a steel is proposed which has a composition of 0.15 - 0.26% of carbon 1.25 - 2.00% of manganese 0.2 - 0.5% of silicon at most 0.02% of phosphorus at most 0.005% of sulphur 0.1 - 0.5% of molybdenum 0.010 - 0.035% of titanium 0.0030 - 0.0100% of N 0.001 - 0.003% of boron 0 - 0.04% of niobium, the remainder being iron and usual impurities, the titanium content/nitrogen content ratio being adjusted to between 3.6 and 6.5. The invention also relates to a heat treatment process for the vessels manufactured from this steel.

IPC 1-7

C21D 1/18; C21D 9/00; C22C 38/04

IPC 8 full level

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CPC (source: EP)

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