

Title (en)

IRON-BASED ALLOYS FOR WELDED STRUCTURES AND USES OF THESE ALLOYS

Publication

**EP 0081432 B1 19850417 (FR)**

Application

**EP 82402208 A 19821203**

Priority

FR 8122756 A 19811204

Abstract (en)

[origin: US4525431A] The present invention relates to iron-based alloys with a low coefficient of expansion and to the uses of these alloys for welded structural elements operating under cryogenic conditions. The alloys according to the invention contain by weight 35 to 39% of nickel, 0 to 20% of cobalt, 0 to 0.25% of silicon, 0 to 0.04% of carbon, 0 to 0.004% of sulfur, 0 to 0.008% of phosphorus, manganese, the remainder being formed by iron and by impurities. They are characterized by the fact that they contain 0.2% to 1.5% of manganese and 0.2 to 0.5% of titanium.

IPC 1-7

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IPC 8 full level

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Cited by

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