

Title (en)

Process for manufacturing products with very high tensile strength from unstable austenitic steel, and products obtained

Title (de)

Verfahren zum Herstellen von hoch bruchfesten Produkten aus instabilem austenitischem Stahl und so hergestellte Produkte

Title (fr)

Procédé d'élaboration de produits à très haute charge à la rupture à partir d'un acier austénitique instable, et produits en résultant

Publication

**EP 0474530 B1 19951213 (FR)**

Application

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Priority

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Abstract (en)

[origin: EP0474530A1] According to this process the steel is subjected to a first plastic deformation at a temperature above the limiting temperature (Md) of the formation of martensite by deformation and lower than the recrystallisation temperature, and then to a second deformation at a temperature lower than the said temperature (Md). During the second deformation the steel is deformed in a determined range of temperature of the formation of martensite so that, in the case of an additional rational deformation of 0.1, the increase in the content of martensite formed does not at any time exceed 20%.

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IPC 8 full level

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