

Title (en)

PROCESS FOR THE MANUFACTURE OF A CONTAINMENT DEVICE AND A CONTAINMENT DEVICE MANUFACTURED THEREBY

Title (de)

HERSTELLUNGSVERFAHREN FÜR EINE EINDÄMMUNGSVORRICHTUNG UND DAMIT HERGESTELLTE EINDÄMMUNGSVORRICHTUNG

Title (fr)

PROCEDE POUR FABRIQUER UN DISPOSITIF DE CONFINEMENT ET DISPOSITIF DE CONFINEMENT FABRIQUE SELON CELUI-CI

Publication

EP 1807543 A1 20070718 (EN)

Application

EP 05806088 A 20051026

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- EP 05806088 A 20051026

Abstract (en)

[origin: WO2006045622A1] The present invention relates to a process for the manufacture of a containment device comprising the steps of providing a steel slab having a chemical composition comprising (in weight percent) C: 0.05% - 0.4%; Si: not greater than 2.0%; Mn: not greater than 2.0%; P: not greater than 0.1 %; N: not greater than 200 ppm; remainder iron and inevitable impurities. b hot rolling the slab to a strip after reheating the slab, or under utilisation of the casting heat by hot-charging the slab, or by direct rolling the slab after casting, followed by cooling the strip to a coiling temperature followed by coiling; c cold rolling the strip steel at a reduction in thickness of between 40 and 95% to form a cold-rolled strip d continuous annealing by reheating to a temperature above Act, homogenising for at least 5 seconds, followed by rapid cooling; e producing the containment device wherein the steel in the containment device comprises at least 10% in volume of at least one phase selected from a group of phases consisting of martensite and bainite and wherein the containment device has a reduced anisotropy of properties. The invention further relates to a containment device manufactured by said process as well as to method of producing an isolation barrier material for high temperature and/or high pressure sealing applications for producing said containment devices.

IPC 8 full level

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