

Title (en)

PROCESS FOR MANUFACTURING STRIPS FROM PARTIALLY RECRYSTALLIZED ZIRCALOY 2 OR ZIRCALOY 4, AND STRIPS OBTAINED IN THIS WAY

Publication

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Application

EP 87420129 A 19870518

Priority

FR 8607760 A 19860521

Abstract (en)

[origin: US4775428A] The invention concerns a process for the production of a strip of Zircaloy 2 or 4 with an oxygen content of between 900 and 1600 ppm and with mechanical characteristics corresponding to the following three conditions: E0.2 at 315 DEG C. \geq 250 MPa 'long' uniform A % at 20 DEG C. \geq 4 and 'transverse' uniform A % at 20 DEG C. \geq 4, wherein, after hot working of an ingot to provide a billet, said billet is cold rolled to form a strip with intermediate annealing operations, characterized in that: (a) each of the last two intermediate annealing operations is a treatment of from 0.5 min to 10 min at between 750 DEG and 650 DEG C., (b) the final heat treatment following the last rolling operation is for from 1.5 to 7 min at between 630 DEG and 590 DEG C., and (c) the strip is rolled with particular degrees of deformation for each of the last three rolling operations.

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C22F 1/18

IPC 8 full level

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CPC (source: EP KR US)

C21D 9/46 (2013.01 - KR); **C22C 16/00** (2013.01 - KR); **C22F 1/186** (2013.01 - EP US)

Cited by

KR100707502B1; FR2664907A1; FR2676672A1; FR2791804A1; EP0559096A1; FR2789795A1; FR2672057A1; EP0720177A1; FR2729000A1; US6544361B1; WO0048199A1

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DOCDB simple family (publication)

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