

Title (en)

Process for producing a thin-walled tubing from a zirconium-niobium alloy.

Title (de)

Verfahren zur Herstellung dünnwandiger Röhren aus einer Zirkonium-Niob-Legierung.

Title (fr)

Procédé de fabrication de tubes à parois minces en un alliage zirconium-niobium.

Publication

EP 0198570 A2 19861022 (EN)

Application

EP 86300259 A 19860116

Priority

US 69354685 A 19850122

Abstract (en)

Thin-walled tubing of a zirconium-niobium alloy is fabricated by a process using a beta-quench prior to extrusion, the material being extruded at a temperature of 650 DEG C or lower and cold worked with annealing, between a plurality of cold working stages, effected at a temperature of below 650 DEG C, and the tubes then being subjected to a final anneal at a temperature below 600 DEG C. The resultant thin-walled tubing has a microstructure of homogeneously dispersed niobium particles of a size less than about 800 angstroms, with the tubing exhibiting excellent corrosion resistance.

IPC 1-7

C22F 1/18

IPC 8 full level

B21C 37/08 (2006.01); **C22F 1/00** (2006.01); **C22F 1/18** (2006.01)

CPC (source: EP KR)

C21D 9/08 (2013.01 - KR); **C22F 1/186** (2013.01 - EP)

Cited by

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Designated contracting state (EPC)

BE FR GB IT

DOCDB simple family (publication)

EP 0198570 A2 19861022; EP 0198570 A3 19871014; EP 0198570 B1 19900829; ES 551049 A0 19870901; ES 8708021 A1 19870901; JP S61210166 A 19860918; KR 860005894 A 19860816; KR 930009986 B1 19931013

DOCDB simple family (application)

EP 86300259 A 19860116; ES 551049 A 19860120; JP 1180286 A 19860122; KR 860000376 A 19860122