

Title (en)

PREBAKED ZIRCONIUM FOR ELECTRON BEAM MELTED BARRIER TUBE SHELL MATERIAL

Publication

EP 0248397 B1 19920819 (EN)

Application

EP 87107946 A 19870602

Priority

US 87118286 A 19860605

Abstract (en)

[origin: EP0248397A2] Process for producing purified zirconium by baking a distilled sponge of zirconium for at least one-half hour at 120-400 DEG C and then EB melting the vacuum baked sponge, preferably in a multiple swept beam electron beam furnace. Preferably a rotary feeder type EB furnace is used such that the sponge can be baked and melted without being consolidated into an electrode and preferably the distilled sponge is tested and sponge having more than the desired oxygen level is rejected and only sponge having less oxygen is selected for use as the distilled sponge to be baked and EB melted.

IPC 1-7

C22B 9/16; C22B 34/14

IPC 8 full level

C22B 9/22 (2006.01); **C22B 34/14** (2006.01)

CPC (source: EP KR)

C22B 9/04 (2013.01 - KR); **C22B 9/228** (2013.01 - EP KR); **C22B 34/14** (2013.01 - EP KR)

Cited by

EP0320730A3; US5062887A; EP1743949A1; US9938605B1; US10494698B1

Designated contracting state (EPC)

DE ES FR IT SE

DOCDB simple family (publication)

EP 0248397 A2 19871209; EP 0248397 A3 19900502; EP 0248397 B1 19920819; DE 3781206 D1 19920924; DE 3781206 T2 19930218; ES 2033736 T3 19930401; KR 880000612 A 19880328

DOCDB simple family (application)

EP 87107946 A 19870602; DE 3781206 T 19870602; ES 87107946 T 19870602; KR 870005721 A 19870605