

Title (en)

Large grain cavities from pure niobium ingot

Title (de)

Große Kornräume aus reinen Niobiumbarren

Title (fr)

Grandes cavités de grain de lingot pur de niobium

Publication

EP 1865087 A1 20071212 (EN)

Application

EP 06252987 A 20060609

Priority

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Abstract (en)

Niobium cavities are fabricated by the deep drawing of as cast niobium ingot slices or tubing; rather than from cold rolled niobium sheet. This method results in the production of niobium cavities having a minimum of grain boundaries at a significantly reduced cost as compared to the production of such structures from cold rolled sheet.

IPC 8 full level

C22F 1/00 (2006.01)

CPC (source: EP)

C22F 1/00 (2013.01)

Citation (search report)

- [A] JP H03247745 A 19911105 - NIPPON STEEL CORP
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- [A] DIETER PROCH: "NEW WAYS OF CAVITY FABRICATION", 22 January 1996, PARTICLE ACCELERATORS, GORDON & BREACH, NEW YORK, NY, US, AMSTERDAM, ISSN: 0031-2460, XP008071955
- [A] P.KNEISEL, V. PALMIERI: "Development of Seamless Niobium Cavities for accelerator applications", PROCEEDINGS OF THE 1999 PARTICLE ACCELERATOR COFERENCE, vol. 2, 27 March 1999 (1999-03-27), pages 943 - 945, XP002409339

Designated contracting state (EPC)

CH DE FR GB IT LI

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