

Title (en)

Process of manufacturing an electrical insulating material with a vacuum high break down voltage

Title (de)

Verfahren zur Herstellung eines elektrischen Isolierungsmaterials mit einer im Vakuum hohen Durchbruchspannung

Title (fr)

Procédé de fabrication d'un isolant électrique à tension de claquage élevée sous vide

Publication

**EP 0470910 B1 19970507 (FR)**

Application

**EP 91402208 A 19910808**

Priority

FR 9010258 A 19900810

Abstract (en)

[origin: EP0470910A1] Process for manufacturing an electrical insulator (5) immersed in an intense electrical field, especially between two electrodes (1 and 2) of an electron tube. The insulator (5) is a crystalline body whose free surfaces (7) under vacuum (6) have been treated so as to reduce or eliminate crystallisation defects. The treatment is controlled by measuring a property, especially an optical or mechanical property, of the free surfaces. The breakdown voltage can be multiplied by three or four in relation to conventional insulators and can approach the breakdown voltage of the vacuum. <IMAGE>

IPC 1-7

**H01B 19/04**; **H01B 17/50**; **H01B 17/42**

IPC 8 full level

**H01B 17/50** (2006.01); **H01B 19/04** (2006.01)

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Citation (examination)

"Techniques de l'ingénieur, Essais Mécaniques M127, 1et4 à 7;M128 1."

Cited by

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