

Title (en)
METHOD FOR PRODUCING AND/OR TREATING REFRACTORY FILAMENTS, ESPECIALLY SUPERCONDUCTIVE FILAMENTS

Title (de)
VERFAHREN ZUR HERSTELLUNG UND/ODER BEHANDLUNG VON FEUERFESTE FASERN, INSBESONDERE SUPRALEITENDEN FASERN

Title (fr)
PROCEDE POUR PRODUIRE ET/OU TRAITER DES FILAMENTS REFRACTAIRES, EN PARTICULIER DES FILAMENTS SUPRACONDUCTEURS

Publication
EP 0867042 A4 19990922 (EN)

Application
EP 96930488 A 19960606

Priority

- US 9609973 W 19960606
- US 47029195 A 19950606

Abstract (en)
[origin: WO9712406A1] A process is disclosed for producing fibers of refractory material. In one embodiment, first, a dispersion of particles of refractory material is prepared. The dispersion is then mixed with a carrier solution of a salt of cellulose xanthate to form a spin mix. From the spin mix, a filament of regenerated cellulose is formed using general wet spinning techniques. The filament has the particle dispersed therein. The filament is heated to sufficient temperatures and over sufficient durations to remove substantially all of the regenerated cellulose and to sinter the particles to thereby form the fibers of refractory material.

IPC 1-7
H01L 39/24; **H01M 4/02**; **H05K 9/00**

IPC 8 full level
C04B 35/622 (2006.01); **H01L 39/24** (2006.01); **H01M 4/66** (2006.01); **H01M 4/86** (2006.01); **H01M 4/88** (2006.01); **H01M 8/02** (2006.01)

CPC (source: EP)
C04B 35/62227 (2013.01); **H01M 4/66** (2013.01); **H01M 4/664** (2013.01); **H01M 4/86** (2013.01); **H01M 4/8621** (2013.01); **H01M 4/8885** (2013.01); **H01M 8/0295** (2013.01); **H10N 60/0801** (2023.02); **Y02E 60/10** (2013.01); **Y02E 60/50** (2013.01)

Citation (search report)

- [X] EP 0260868 A2 19880323 - MITSUI MINING CO LTD [JP]
- [XA] CASS R B: "FABRICATION OF CONTINUOUS CERAMIC FIBER BY THE VISCOUS SUSPENSION SPINNING PROCESS", AMERICAN CERAMIC SOCIETY BULLETIN, vol. 70, no. 3, 1 March 1991 (1991-03-01), pages 424, 426, 427, 42, XP000202281, ISSN: 0002-7812
- See references of WO 9712406A1

Designated contracting state (EPC)
AT DE ES FR GB

DOCDB simple family (publication)
WO 9712406 A1 19970403; AU 6950496 A 19970417; EP 0867042 A1 19980930; EP 0867042 A4 19990922

DOCDB simple family (application)
US 9609973 W 19960606; AU 6950496 A 19960606; EP 96930488 A 19960606