

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

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Application

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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.

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