

Title (en)

PROCESS AND APPARATUS FOR PRODUCING CALCIUM SULFATE MICROFIBERS

Publication

EP 0416089 A4 19910807 (EN)

Application

EP 90905820 A 19900314

Priority

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Abstract (en)

[origin: WO9011256A1] Process and apparatus for producing larger diameter, high aspect ratio, calcium sulfate microfibers are provided. The process involves passing a steam heated dilute aqueous slurry, containing about 1/2 %-15 % gypsum by weight, under pressure, first through a plug flow stage wherein slender, needle-like crystals are formed, and then through a stirred-flow stage wherein the crystals are grown both axially and radially. The implementing apparatus includes means for mixing the slurry with steam to rapidly raise the slurry temperature, and a plug-flow pipe reactor connected to a continuous stirred tank reactor.

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C04B 11/02; **C04B 11/032**; **C01F 11/46**

IPC 8 full level

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Citation (search report)

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WO 9011256 A1 19901004; CA 2024146 A1 19900917; EP 0416089 A1 19910313; EP 0416089 A4 19910807; JP H03504596 A 19911009

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