

Title (en)

PROCESS AND APPARATUS FOR PRODUCING CALCIUM SULFATE MICROFIBERS

Publication

**EP 0416089 A4 19910807 (EN)**

Application

**EP 90905820 A 19900314**

Priority

US 32485489 A 19890316

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.

IPC 1-7

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

IPC 8 full level

**C30B 29/62** (2006.01); **B01J 19/18** (2006.01); **B01J 19/24** (2006.01); **C01F 11/46** (2006.01); **C04B 14/38** (2006.01); **C30B 7/00** (2006.01)

CPC (source: EP)

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Citation (search report)

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- [X] EP 0244722 A2 19871111 - BENCKISER GMBH JOH A [DE]
- GB 190403225 A 19040310 - OUVREARD CHARLES CALIXTE [FR]
- See references of WO 9011256A1

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Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

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

DOCDB simple family (application)

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