

Title (en)

MECHANICAL PROCESS FOR CREATING PARTICLES IN A FLUID

Title (de)

MECHANISCHES VERFAHREN ZUR BILDUNG VON TEILCHEN IN EINEM FLUID

Title (fr)

PROCÉDÉ MÉCANIQUE POUR CRÉER DES PARTICULES DANS UN LIQUIDE

Publication

EP 2134665 A4 20110914 (EN)

Application

EP 08727029 A 20080320

Priority

- US 2008003679 W 20080320
- US 91889607 P 20070320

Abstract (en)

[origin: WO2008115550A1] A method of producing at least one of microscopic and submicroscopic particles includes providing a template that has a plurality of discrete surface portions, each discrete surface portion having a surface geometry selected to impart a desired geometrical property to a particle while being produced, depositing a constituent material of the at least one of microscopic and submicroscopic particles being produced onto the plurality of discrete surface portions of the template to form at least portions of the particles, separating the at least one of microscopic and submicroscopic particles comprising the constituent material from the template into a fluid material, the particles being separate from each other at respective discrete surface portions of the template, and processing the template for subsequent use in producing additional at least one of microscopic and submicroscopic particles. A multi-component composition includes a plurality of particles dispersed in the first material component.

IPC 8 full level

C04B 41/50 (2006.01); **C07F 7/18** (2006.01)

CPC (source: EP)

B01J 13/00 (2013.01); **C23C 14/0005** (2013.01); **C23C 14/04** (2013.01); **C23C 16/01** (2013.01); **C23C 16/04** (2013.01); **C25D 1/003** (2013.01); **C25D 1/006** (2013.01); **C25D 1/20** (2013.01); **H01F 1/0054** (2013.01)

Citation (search report)

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- [A] MIKRAJUDDIN ET AL: "Single route for producing organized metallic domes, dots, and pores by colloidal templating and over-sputtering", ADVANCED MATERIALS, vol. 14, no. 12, 17 June 2002 (2002-06-17), WILEY-VCH VERLAG [DE], pages 930 - 933, XP001130546, DOI: 10.1002/1521-4095(20020618)14:12<930::AID-ADMA930>3.0.CO;2-L
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Citation (examination)

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