

Title (en)

METHOD OF PREPARING COMPOUNDS USING CAVITATION AND COMPOUNDS FORMED THEREFROM

Title (de)

VERFAHREN ZUR HERSTELLUNG VON VERBINDUNGEN MITTELS KAVITATION UND MIT DEM VERFAHREN PRODUZIERTE VERBINDUNGEN

Title (fr)

PREPARATION DE COMPOSES PAR CAVITATION ET COMPOSES AINSI PREPARES

Publication

EP 1253975 A4 20050420 (EN)

Application

EP 01906578 A 20010116

Priority

- US 0101523 W 20010116
- US 17611600 P 20000114

Abstract (en)

[origin: WO0151202A1] Nanostructured materials and processes for the preparation of these nanostructured materials in high phase purities using cavitation is disclosed. The method preferably comprises mixing a metal containing solution with a precipitating agent and passing the mixture into a cavitation chamber. The chamber consists of a first element to produce cavitation bubbles, and a second element that creates a pressure zone sufficient to collapse the bubbles. The process is useful for the preparation of catalysts and materials for piezoelectrics and superconductors.

IPC 1-7

B01J 19/00; **B01J 37/03**; **B01J 23/44**; **B01J 23/50**; **B01J 23/80**

IPC 8 full level

B01J 19/00 (2006.01); **B01J 21/06** (2006.01); **B01J 23/00** (2006.01); **B01J 23/28** (2006.01); **B01J 23/44** (2006.01); **B01J 23/48** (2006.01); **B01J 23/80** (2006.01); **B01J 23/83** (2006.01); **B01J 23/882** (2006.01); **B01J 35/00** (2006.01); **B01J 37/34** (2006.01)

CPC (source: EP)

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Citation (search report)

- [E] WO 0130701 A1 20010503 - WORCESTER POLYTECH INST [US], et al
- [A] DATABASE WPI Section Ch Week 198818, Derwent World Patents Index; Class E17, AN 1988-124187, XP002318772
- See references of WO 0151202A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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