

Title (en)
ENCAPSULATED NANOPARTICLES, ESPECIALLY THOSE HAVING A CORE/SHELL STRUCTURE

Title (de)
VERKAPSELTE NANOTEILCHEN, INSBESONDERE JENE MIT EINER KERN-/SCHALENSTRUKTUR

Title (fr)
NANOPARTICULES NOTAMMENT A STRUCTURE COEUR COQUILLE, ENROBEES

Publication
EP 1996319 A2 20081203 (FR)

Application
EP 07727131 A 20070320

Priority
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• FR 0650950 A 20060320

Abstract (en)
[origin: WO2007107574A2] Bead comprising at least two non-agglomerated solid nanoparticles having a core structure, comprising only a solid core, or having a core/shell structure, comprising a solid core surrounded by a solid shell consisting of an inorganic material, said nanoparticles being encapsulated by a non-porous metal oxide. Method of preparing said bead. Material, such as glass, a crystal, a ceramic or a polymer comprising said beads.

IPC 8 full level
B01J 13/02 (2006.01); **B01J 13/22** (2006.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 2007107574A2

Citation (examination)
• US 2006019098 A1 20060126 - CHAN YINTHAI [US], et al
• US 3928057 A 19751223 - DECOLIBUS RAYMOND LEW
• US 6582763 B1 20030624 - NISHIMURA KEIICHI [JP], et al
• US 2004067503 A1 20040408 - TAN WEIHONG [US], et al
• POWELL Q H ET AL: "SYNTHESIS OF ALUMINA- AND ALUMINA/SILICA-COATED TITANIA PARTICLES IN AN AEROSOL FLOW REACTOR", CHEMISTRY OF MATERIALS, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 9, no. 3, 1 March 1997 (1997-03-01), pages 685 - 693, XP000686524, ISSN: 0897-4756, DOI: 10.1021/CM960334G

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