

Title (en)
A NANOPOROUS PARTICLE WITH A RETAINED TARGET

Title (de)
NANOPOR SES PARTIKEL MIT ZUR CKGEHALTENEM TARGETMOLEK L

Title (fr)
PARTICULE NANOPOREUSE A CIBLE FIXE

Publication
EP 2142927 A4 20100113 (EN)

Application
EP 02749582 A 20020613

Priority
US 0218657 W 20020613

Abstract (en)
[origin: CA2488705A1] Porous nanostructured materials, such as porous nanostructured liquid and liquid crystalline particles or materials, incorporate a target substantially within the material which selectively binds a chemical of interest which can diffuse within the porous nanostructured material and be bound by the target. The porous nanostructured materials can be dispersed as particles in a medium in which said chemical of interest is located with low turbidity. Markers which detect binding of said chemical of interest can be maintained in the medium separate and apart from the target, and any active compound (e.g., an enzyme) associated therewith by the porous nanostructured material, such that detectable changes in the marker only result when the active compounds diffuse out of the porous nanostructured materials after the chemical of interest binds to the target.

IPC 8 full level
A61K 9/127 (2006.01); **A61K 47/02** (2006.01); **A61K 47/14** (2006.01); **A61K 47/24** (2006.01); **A61K 47/48** (2006.01); **A61K 49/00** (2006.01); **A61K 51/00** (2006.01); **A61M 36/14** (2006.01); **B01D 15/08** (2006.01); **C09K 19/00** (2006.01); **C12M 1/00** (2006.01); **C12M 1/26** (2006.01); **C12M 1/40** (2006.01); **C12Q 1/00** (2006.01); **C12Q 1/68** (2006.01); **G01N 21/76** (2006.01); **G01N 21/78** (2006.01); **G01N 33/53** (2006.01); **G01N 33/533** (2006.01); **G01N 33/537** (2006.01); **G01N 33/542** (2006.01); **G01N 33/543** (2006.01); **G01N 33/544** (2006.01); **G01N 33/566** (2006.01)

CPC (source: EP)
C09K 19/00 (2013.01)

Citation (search report)

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- [XY] KIM S W ET AL: "SELF-REGULATED GLYCOSYLATED INSULIN DELIVERY", JOURNAL OF CONTROLLED RELEASE, vol. 11, no. 1-3, 1990, & FOURTH INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN DRUG DELIVERY SYSTEMS, SALT LAKE CITY, UTAH, US, pages 193 - 202, XP002403259, ISSN: 0168-3659
- See references of WO 03106589A1

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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)
AL LT LV MK RO SI

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AU 2002320083 A1 20031231; CA 2488705 A1 20031224; EP 2142927 A1 20100113; EP 2142927 A4 20100113; JP 2005530142 A 20051006

DOCDB simple family (application)
AU 2002320083 A 20020613; CA 2488705 A 20020613; EP 02749582 A 20020613; JP 2004513404 A 20020613