

Title (en)  
FUNCTIONALIZED POROUS SUPPORTS FOR MICROARRAYS

Title (de)  
FUNKTIONALISIERTER PORÖSER TRÄGER FÜR MIKROARRAYS

Title (fr)  
SUPPORTS POREUX FONCTIONNALISES POUR MICRORESEAUX

Publication  
**EP 1747065 A1 20070131 (DE)**

Application  
**EP 05730747 A 20050409**

Priority  
• EP 2005003744 W 20050409  
• DE 102004021351 A 20040423

Abstract (en)  
[origin: WO2005105308A1] The invention concerns functionalized porous supports (1) comprising at least one material (2) having at least one porous surface (3, 4), nanoparticles (6) provided with molecule-specific identifying sites in the pores (5) of said material surface. The invention also concerns a method for producing the functionalized porous supports, functional elements produced by using said functionalized supports, such as microtitration plates, microarrays, and circulatory devices, as well as the uses of said functionalized supports and functional elements.

IPC 8 full level  
**B01L 3/00** (2006.01); **B01D 61/00** (2006.01); **B01D 67/00** (2006.01); **B01D 69/12** (2006.01); **B01J 19/00** (2006.01); **G01N 33/543** (2006.01)

CPC (source: EP US)  
**B01D 67/0088** (2013.01 - EP US); **B01D 67/00931** (2022.08 - EP US); **B01D 69/122** (2013.01 - EP US); **B01J 19/0046** (2013.01 - EP US); **G01N 33/54353** (2013.01 - EP US); **B01J 2219/00286** (2013.01 - EP US); **B01J 2219/00317** (2013.01 - EP US); **B01J 2219/00466** (2013.01 - EP US); **B01J 2219/00576** (2013.01 - EP US); **B01J 2219/00641** (2013.01 - EP US); **B01J 2219/00648** (2013.01 - EP US); **B01J 2219/0072** (2013.01 - EP US); **B01J 2219/00722** (2013.01 - EP US); **B01J 2219/00725** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005105308 A1 20051110**; CA 2568960 A1 20051110; DE 102004021351 A1 20051117; EP 1747065 A1 20070131; JP 2007533983 A 20071122; US 2009156426 A1 20090618

DOCDB simple family (application)  
**EP 2005003744 W 20050409**; CA 2568960 A 20050409; DE 102004021351 A 20040423; EP 05730747 A 20050409; JP 2007508764 A 20050409; US 56816205 A 20050409