

Title (en)
METHOD FOR DEPOSITING A SPOT OF A PRODUCT OF INTEREST, AND USE FOR ISOLATING AND/OR DETERMINING AN ANALYTE

Title (de)
VERFAHREN ZUR ABLAGERUNG EINES MOLEKÜLS AUF EINE FLÄCHE, UND VERWENDUNG DES VERFAHRENS ZUM ISOLIEREN UND/ ODER NACHWEIS EINES ANALYTS

Title (fr)
PROCÉDÉ DE DÉPOT D'UNE MOLÉCULE SUR UNE SURFACE, ET EMPLOI DU PROCÉDÉ POUR ISOLER ET/OU DÉTERMINER UN ANALYTE

Publication
EP 1381862 A2 20040121 (FR)

Application
EP 02726283 A 20020425

Priority
• FR 0201444 W 20020425
• FR 0105639 A 20010426

Abstract (en)
[origin: WO02088735A2] The invention concerns a method for depositing on a substrate (1) a product of interest (2), in a small elementary surface (3), called spot, which consists in: a) preparing or providing a liquid medium (4) comprising a carrier and the product of interest (2); (b) from the liquid medium, forming a drop (5), and setting said drop on the surface (1a) of the substrate, in contact with the liquid medium; (c) eliminating the carrier of the drop (5), for example by drying, so as to allow said spot to remain. The invention is characterised in that it consists, in combination, in: (1) preparing or providing a magnetic support (6), distributed in the carrier; (2) binding the product of interest (2) to the magnetic support (6), so that the liquid medium, wherefrom the drop (5) is formed, comprises transport particles (7); (3) at least while eliminating the carrier of the drop (5), generating a magnetic field (8) passing through the surface (1a) of the substrate (1), so that the resulting spot (3) comprises the transport particles, and hence the product of interest.

IPC 1-7
G01N 33/543; C12Q 1/68

IPC 8 full level
B01L 3/02 (2006.01); **G01N 33/543** (2006.01); **B01L 3/00** (2006.01); **C40B 60/14** (2006.01)

CPC (source: EP US)
B01L 3/0241 (2013.01 - EP US); **B82Y 30/00** (2013.01 - EP US); **G01N 33/54333** (2013.01 - EP US); **B01J 2219/00387** (2013.01 - EP US); **B01J 2219/00466** (2013.01 - EP US); **B01J 2219/005** (2013.01 - EP US); **B01J 2219/00596** (2013.01 - EP US); **B01J 2219/00648** (2013.01 - EP US); **B01J 2219/00655** (2013.01 - EP US); **B01J 2219/00659** (2013.01 - EP US); **B01J 2219/00677** (2013.01 - EP US); **B01J 2219/0072** (2013.01 - EP US); **B01L 3/50857** (2013.01 - EP US); **B01L 2400/021** (2013.01 - EP US); **B01L 2400/043** (2013.01 - EP US); **C40B 60/14** (2013.01 - EP US)

Citation (search report)
See references of WO 02088735A2

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

DOCDB simple family (publication)
WO 02088735 A2 20021107; **WO 02088735 A3 20030925**; EP 1381862 A2 20040121; FR 2824001 A1 20021031; FR 2824001 B1 20031010; US 2004170757 A1 20040902

DOCDB simple family (application)
FR 0201444 W 20020425; EP 02726283 A 20020425; FR 0105639 A 20010426; US 47587304 A 20040427