

Title (en)

COMPOSITIONS AND METHODS FOR SEPARATION OF MOIETIES ON CHIPS

Title (de)

ZUSAMMENSETZUNGEN UND VERFAHREN ZUR TRENNUNG VON WIRKSAMEN ANTEILEN AUF CHIPS

Title (fr)

COMPOSITIONS ET PROCEDES DE SEPARATION DE FRACTIONS SUR DES PUCES

Publication

EP 1325331 A4 20070509 (EN)

Application

EP 01977391 A 20011002

Priority

- CN 00131649 A 20001009
- US 0130891 W 20011002
- US 68673700 A 20001010

Abstract (en)

[origin: WO0231506A1] The present invention recognizes that separation of components of a sample facilitate, and are often necessary for, sample analysis. Dielectrophoretic separation provides an efficient, reliable, nondisruptive, and automatable method for the separation of moieties in a sample based on their dielectric properties. The present invention provides compositions and methods for enhancing the dielectrophoretic separation of one or more moieties in a sample.

IPC 1-7

G01N 33/543

IPC 8 full level

B03C 5/02 (2006.01); **G01N 33/569** (2006.01)

CPC (source: EP)

B03C 5/028 (2013.01); **G01N 33/56972** (2013.01); **B01J 2219/00585** (2013.01); **B01J 2219/00596** (2013.01); **B01J 2219/00605** (2013.01); **B01J 2219/00612** (2013.01); **B01J 2219/00626** (2013.01); **B01J 2219/00653** (2013.01); **B01J 2219/00659** (2013.01); **B01J 2219/00702** (2013.01)

Citation (search report)

- [XY] CHENG J ET AL: "Preparation and hybridization analysis of DNA/RNA from E. coli on microfabricated bioelectronic chips.", NATURE BIOTECHNOLOGY JUN 1998, vol. 16, no. 6, June 1998 (1998-06-01), pages 541 - 546, XP002427046, ISSN: 1087-0156
- [A] PETHIG R ET AL: "Applications of dielectrophoresis in biotechnology.", TRENDS IN BIOTECHNOLOGY OCT 1997, vol. 15, no. 10, October 1997 (1997-10-01), pages 426 - 432, XP002427047, ISSN: 0167-7799
- [Y] PLAVINS J AND LAUVA M, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol. 122, 1993, pages 349 - 353, XP002427048
- See references of WO 0231506A1

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 0231506 A1 20020418; AU 9651601 A 20020422; CA 2424996 A1 20020418; EP 1325331 A1 20030709; EP 1325331 A4 20070509

DOCDB simple family (application)

US 0130891 W 20011002; AU 9651601 A 20011002; CA 2424996 A 20011002; EP 01977391 A 20011002