

Title (en)  
INDIVIDUALLY ADDRESSABLE MICRO-ELECTROMAGNETIC UNIT ARRAY CHIPS IN HORIZONTAL CONFIGURATIONS

Title (de)  
ARRAY-CHIPS MIT EINZELN ADRESSIERBARER MIKROELEKTROMAGNETISCHER EINHEIT IN HORIZONTAL EN KONFIGURATIONEN

Title (fr)  
PUCES A ENSEMBLES D'UNITES MICRO-ELECTROMAGNETIQUES ADRESSABLES INDIVIDUELLEMENT EN CONFIGURATIONS HORIZONTALES

Publication  
**EP 1325333 A1 20030709 (EN)**

Application  
**EP 01979392 A 20011003**

Priority  
• US 0130848 W 20011003  
• US 68541000 A 20001010

Abstract (en)  
[origin: WO0231505A1] The present invention provides electromagnetic chips and electromagnetic biochips having arrays of individually addressable micro-electromagnetic units, as well as methods of utilizing these chips for directed manipulation of micro-particles and micro-structures such as biomolecules and chemical reagents.

IPC 1-7  
**G01N 33/543**

IPC 8 full level  
**B01J 19/00** (2006.01); **B01L 3/00** (2006.01); **H01F 17/00** (2006.01); **C40B 40/06** (2006.01); **C40B 40/10** (2006.01); **C40B 40/12** (2006.01); **C40B 60/14** (2006.01); **G01N 35/00** (2006.01); **H01F 7/06** (2006.01)

CPC (source: EP)  
**B01J 19/0046** (2013.01); **B01L 3/5025** (2013.01); **B01L 3/502707** (2013.01); **B01L 3/502761** (2013.01); **G01N 27/745** (2013.01); **H01F 17/0006** (2013.01); **B01J 2219/00317** (2013.01); **B01J 2219/005** (2013.01); **B01J 2219/00585** (2013.01); **B01J 2219/00596** (2013.01); **B01J 2219/00605** (2013.01); **B01J 2219/00612** (2013.01); **B01J 2219/0063** (2013.01); **B01J 2219/00637** (2013.01); **B01J 2219/00648** (2013.01); **B01J 2219/00653** (2013.01); **B01J 2219/00655** (2013.01); **B01J 2219/00659** (2013.01); **B01J 2219/00702** (2013.01); **B01J 2219/00722** (2013.01); **B01J 2219/00725** (2013.01); **B01J 2219/00731** (2013.01); **B01J 2219/00734** (2013.01); **B01J 2219/0074** (2013.01); **B01J 2219/00743** (2013.01); **B01L 2200/0668** (2013.01); **B01L 2300/0636** (2013.01); **B01L 2300/0877** (2013.01); **B01L 2300/089** (2013.01); **B01L 2400/043** (2013.01); **B01L 2400/0496** (2013.01); **C40B 40/06** (2013.01); **C40B 40/10** (2013.01); **C40B 40/12** (2013.01); **C40B 60/14** (2013.01); **G01N 35/0098** (2013.01); **H01F 7/064** (2013.01); **H01F 2007/068** (2013.01)

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 0231505 A1 20020418**; AU 1136302 A 20020422; CA 2424312 A1 20020418; CN 100476431 C 20090408; CN 1348103 A 20020508; EP 1325333 A1 20030709; EP 1325333 A4 20060322

DOCDB simple family (application)  
**US 0130848 W 20011003**; AU 1136302 A 20011003; CA 2424312 A 20011003; CN 01136350 A 20011010; EP 01979392 A 20011003