

Title (en)  
SOLID-PHASE TIPS AND USES RELATING THERETO

Title (de)  
SPITZEN FÜR FESTPHASEN UND SEINE VERWENDUNG

Title (fr)  
EMBOUTS EN PHASE SOLIDE ET UTILISATIONS CORRESPONDANTES

Publication  
**EP 1040352 A1 20001004 (EN)**

Application  
**EP 98965546 A 19981230**

Priority

- US 9827850 W 19981230
- US 7029097 P 19971231

Abstract (en)  
[origin: WO9934214A1] Solid-phase assays have provided a powerful approach to the analysis of biomolecules in medical diagnosis and in basic research. Solid-phase nucleic acid hybridization methods, for example, have been applied to analysis of genetic polymorphisms, diagnosis of genetic disease, cancer diagnosis, detection of viral and microbial pathogens, screening of clones, and ordering of genomic fragments. A new solid-phase sample-retaining tip provides improved procedures for synthesizing or detecting a biomolecule. These tips can be used to devise sample-retaining assemblies, which in turn, can be combined to form arrays of solid-phase sample-retaining assemblies useful in automated processes. The tips may be connectable to a spring biased support pin and also contain a chemical layer coating said tip to which a biomolecule is bindable.

IPC 1-7  
**G01N 33/543**; **G01N 33/53**; **C12Q 1/68**; **B01J 19/00**

IPC 8 full level  
**B01J 19/00** (2006.01); **C12M 1/00** (2006.01); **C12N 15/09** (2006.01); **C12Q 1/68** (2006.01); **C12Q 1/6834** (2018.01); **G01N 33/53** (2006.01); **G01N 33/543** (2006.01); **G01N 37/00** (2006.01); **C40B 40/06** (2006.01); **C40B 40/10** (2006.01); **C40B 60/14** (2006.01)

CPC (source: EP)  
**B01J 19/0046** (2013.01); **C12Q 1/6834** (2013.01); **G01N 33/5302** (2013.01); **G01N 33/54386** (2013.01); **B01J 2219/00315** (2013.01); **B01J 2219/00387** (2013.01); **B01J 2219/0047** (2013.01); **B01J 2219/00472** (2013.01); **B01J 2219/00504** (2013.01); **B01J 2219/00506** (2013.01); **B01J 2219/00585** (2013.01); **B01J 2219/00596** (2013.01); **B01J 2219/00722** (2013.01); **B01J 2219/00725** (2013.01); **C40B 40/06** (2013.01); **C40B 40/10** (2013.01); **C40B 60/14** (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

DOCDB simple family (publication)  
**WO 9934214 A1 19990708**; AU 2098999 A 19990719; BR 9814604 A 20001017; CA 2315296 A1 19990708; CN 1284168 A 20010214; EP 1040352 A1 20001004; HU P0100697 A2 20010628; JP 2002500362 A 20020108

DOCDB simple family (application)  
**US 9827850 W 19981230**; AU 2098999 A 19981230; BR 9814604 A 19981230; CA 2315296 A 19981230; CN 98813351 A 19981230; EP 98965546 A 19981230; HU P0100697 A 19981230; JP 2000526814 A 19981230