

Title (en)  
NOVEL METHOD FOR PRODUCTION OF DNA BIOCHIPS AND APPLICATIONS THEREOF

Title (de)  
NEUES VERFAHREN ZUR HERSTELLUNG VON DNA-BIOCHIPS UND ANWENDUNGEN DAVON

Title (fr)  
PROCEDE DE PREPARATION DE BIOPUCES A ADN ET LEURS APPLICATIONS

Publication  
**EP 1474368 A2 20041110 (FR)**

Application  
**EP 03739533 A 20030213**

Priority  
• FR 0300464 W 20030213  
• FR 0201791 A 20020213

Abstract (en)  
[origin: WO03068712A2] The invention relates to a method for production of an activated biochip for covalent fixing of oligonucleotide probes to a solid support by means of a spacer compound of the NHS-PEG-VS type and biochips produced by the above method. The invention further relates to methods for detection of nucleic acids in a sample or methods for screening compounds which may be specifically bound to oligonucleotide probes in which said biochips are used. The invention also relates to detection kits for, quantitative or qualitative analysis of nucleic acids in a sample, comprising said biochips and use of the above as affinity matrix for purification of nucleic acids, for sequencing nucleic acids, for the qualitative or quantitative analysis of the expression of genes or for the study and detection of genetic polymorphism.

IPC 1-7  
**C07B 61/00**; **C07H 21/00**; **C07K 1/04**; **C12Q 1/68**

IPC 8 full level  
**G01N 33/53** (2006.01); **C07B 61/00** (2006.01); **C07K 1/107** (2006.01); **C12M 1/00** (2006.01); **C12N 15/09** (2006.01); **C12Q 1/00** (2006.01); **C12Q 1/04** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/547** (2006.01); **G01N 33/552** (2006.01); **G01N 37/00** (2006.01); **C40B 40/06** (2006.01); **C40B 40/10** (2006.01)

CPC (source: EP US)  
**B82Y 30/00** (2013.01 - EP US); **C07K 1/1077** (2013.01 - EP US); **B01J 2219/00274** (2013.01 - EP US); **B01J 2219/00497** (2013.01 - EP US); **B01J 2219/005** (2013.01 - EP US); **B01J 2219/00529** (2013.01 - EP US); **B01J 2219/00585** (2013.01 - EP US); **B01J 2219/00596** (2013.01 - EP US); **B01J 2219/00608** (2013.01 - EP US); **B01J 2219/0061** (2013.01 - EP US); **B01J 2219/00612** (2013.01 - EP US); **B01J 2219/00626** (2013.01 - EP US); **B01J 2219/00637** (2013.01 - EP US); **B01J 2219/00659** (2013.01 - EP US); **B01J 2219/00677** (2013.01 - EP US); **B01J 2219/00722** (2013.01 - EP US); **B01J 2219/00725** (2013.01 - EP US); **C07B 2200/11** (2013.01 - EP US); **C40B 40/06** (2013.01 - EP US); **C40B 40/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 03068712A2

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

DOCDB simple family (publication)  
**WO 03068712 A2 20030821**; **WO 03068712 A3 20040325**; AU 2003226885 A1 20030904; CA 2475696 A1 20030821; EP 1474368 A2 20041110; FR 2835829 A1 20030815; FR 2835829 B1 20070914; JP 2005517902 A 20050616; US 2005100905 A1 20050512

DOCDB simple family (application)  
**FR 0300464 W 20030213**; AU 2003226885 A 20030213; CA 2475696 A 20030213; EP 03739533 A 20030213; FR 0201791 A 20020213; JP 2003567847 A 20030213; US 50416304 A 20040811