European Patent Office

Application Number
EP 01 99 3257

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

claims 1-14 (complete)

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-14 (complete)

biochip as defined by the wording of the claims

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2. claims: 15-19 (complete)

biochip as defined by the wording of the claims

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3. claims: 20-25 (complete)

biochip as defined by the wording of the claims

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4. claims: 26-33 (complete)

biochip as defined by the wording of the claims

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5. claims: 34-39 (complete)

biochip as defined by the wording of the claims

European Patent Office

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 01 99 3257

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WO 99/64864 A (LOOMIS LAWRENCE ; NEW HORIZONS DIAGNOSTICS INC (US)) 16 December 1999 (1999-12-16) see whole doc. esp. claims	1-14	C12Q1/68 C12M1/36 C12N11/16 G01N15/06
X	US 5 468 606 A (ETTER JEFFREY B ET AL) 21 November 1995 (1995-11-21) see whole doc. esp. claims and Fig 6	1-14	
X	US 5 494 829 A (SANDSTROM TORBJORN ET AL) 27 February 1996 (1996-02-27) see whole doc. esp. claims and Fig. 6 and examples	1-14	
X	US 5 832 165 A (CHRISTENSEN DOUGLAS A ET AL) 3 November 1998 (1998-11-03) see whole doc. esp. claims, Fig. 1 and col.5 , 2. par.	1-14	

TECHNICAL FIELDS SEARCHED (Int.Cl.7)

G01N
C12Q

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search	Date of completion of the search	Examiner
Munich	17 November 2004	Mueller, F

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

EPO FORM 1503 03.82 (P04C04)

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 01 99 3257

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

17-11-2004

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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		WO 9964864 A1	16-12-1999
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US 5494829 A	27-02-1996	US 5631171 A	20-05-1997
US 5832165 A	03-11-1998	NONE	

EPO FORM P0459

专利名称(译)	改进的生物芯片		
公开(公告)号	EP1341934A4	公开(公告)日	2005-04-06
申请号	EP2001993257	申请日	2001-12-11
[标]申请(专利权)人(译)	AUTOGENOMICS		
申请(专利权)人(译)	AUTOGENOMICS INC.		
当前申请(专利权)人(译)	AUTOGENOMICS INC.		
[标]发明人	MAHANT VIJAY KURESHY FAREED		
发明人	MAHANT, VIJAY KURESHY, FAREED		
IPC分类号	G01N33/53 C12M1/00 C12N15/09 C40B40/06 C40B40/10 C40B40/12 G01N33/542 G01N33/543 G01N33/545 G01N33/548 G01N33/551 G01N33/566 G01N37/00 C12Q1/68 C12M1/36 C12N11/16 G01N15/06		
CPC分类号	G01N33/542 B01J2219/00497 B01J2219/00527 B01J2219/00605 B01J2219/0061 B01J2219/0063 B01J2219/00637 B01J2219/00659 B01J2219/0072 B01J2219/00722 B01J2219/00725 B01J2219/00731 C40B40/06 C40B40/10 C40B40/12 G01N33/54366		
代理机构(译)	庆祝活动，JENTSCHURA & PARTNER		
优先权	09/735402 2000-12-12 US		
其他公开文献	EP1341934A2		
外部链接	Espacenet		

摘要(译)

改进的生物芯片包括与基底连接的基质层，其中基质层包括在多个预定位置的多个配体，并且其中配体与设置在样品流体中的抗配体结合。优选的基质层是多功能基质层，其减少基材的自发荧光，入射光吸收，电荷效应和/或表面不均匀性，并且预期的生物芯片可包括另外的基质层。预期的生物芯片可用于检测和/或定量各种抗配体，包括多肽，多核苷酸，碳水化合物，药理活性分子，细菌或真核细胞和/或病毒。