



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 98/28622 A (FODSTAD OEYSTEIN ;HOEIFOEDT HANNE KLEPPE (NO)) 2 July 1998 (1998-07-02) p, 10 - 13, p. 15, lines 3 - 33, examples, Table 1, claims 1 - 12 -----	1-8, 10-23	INV. G01N33/569 G01N33/574 G01N33/571
X	US 5 997 866 A (SOLER ALEJANDRO PERALTA ET AL) 7 December 1999 (1999-12-07) Examples 1 - 3, claims 1 - 15 -----	1-8, 10-13, 16-23	
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X	WO 94/24560 A (INT MUREX TECH CORP ;DUNCAN RICHARD JULIAN STUART (GB); BECKFORD U) 27 October 1994 (1994-10-27) abstract, p. 22, lines 26 - 36, p. 27, lines 13 - 24, Examples, claims 1, 8, 9 -----	1-7,10, 16,18, 21-23	
X	WO 87/06620 A (MUREX CORP) 5 November 1987 (1987-11-05) * the whole document * -----	1-7,10, 16,18, 21-23	TECHNICAL FIELDS SEARCHED (IPC) G01N
P,X	WO 02/073204 A (MONOGEN INC [US]; MCCALL JOHN DOUGLAS [GB]) 19 September 2002 (2002-09-19) * the whole document * ----- -/--	1-23	
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 Munich		Date of completion of the search 4 May 2007	Examiner Hoesel, Heidi
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			



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X	REIS-FILHO JORGE S ET AL: "Evaluation of cell proliferation, epidermal growth factor receptor, and bcl-2 immunoexpression as prognostic factors for patients with World Health Organization Grade 2 oligodendroglioma." CANCER., vol. 88, no. 4, 2000, pages 862-869, XP002235533 ISSN: 0008-543X abstract, Table 3 -----	1-8, 10-13, 15-23	
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The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
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EPO FORM 1503 03.82 (P04C04)



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X	VOLM M ET AL: "Prognostic value of ERBB-1, vEGF, cyclin A, FOS, JUN and MYC in patients with squamous cell lung carcinomas." BRITISH JOURNAL OF CANCER, vol. 77, no. 4, February 1998 (1998-02), pages 663-669, XP009007843 ISSN: 0007-0920 abstract, p. 664, col. 1, line 8 - p. 666 end of col. 1, Tables 3, 4, 6, p. 668, col. 2, final paragraph	1-8, 10-13, 16-23	
X	BEJARANO PABLO A ET AL: "Surfactant proteins and thyroid transcription factor-1 in pulmonary and breast carcinomas." MODERN PATHOLOGY, vol. 9, no. 4, 1996, pages 445-452, XP009007792 ISSN: 0893-3952 * the whole document *	1-8, 10-13, 15-23	TECHNICAL FIELDS SEARCHED (IPC)
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Place of search Munich		Date of completion of the search 4 May 2007	Examiner Hoesel, Heidi
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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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 Munich		Date of completion of the search 4 May 2007	Examiner Hoesel, Heidi
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X	----- AKSLEN LARS A ET AL: "Oncoproteins and tumor progression in papillary thyroid carcinoma: Presence of epidermal growth factor receptor, c-erbB-2 protein, estrogen receptor related protein, p21-ras protein, and proliferation indicators in relation to tumor recurrences and patient survival." CANCER (PHILADELPHIA), vol. 76, no. 9, 1995, pages 1643-1654, XP009007851 ISSN: 0008-543X abstr, p. 1644, col. 2, 2nd paragraph, p. 1649, col. 1, lines 5 - 17	1-8, 10-13, 16-23	TECHNICAL FIELDS SEARCHED (IPC)
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Place of search		Date of completion of the search	Examiner
Munich		4 May 2007	Hoesel, Heidi
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	



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 1-8, 10-23(all in part)



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: 1-8,10-23 (all in part)

invention 1: panel comprising at least two probes specific for the markers listed in claim 12 for the diagnosis of lung cancer

Inventions 1.1 - 1.21: claim 1-8,10-13,15-23 (all in part)

Invention 1 can be furthermore divided into subinventions depending on the primary marker of the panel being selected from (1) Glut1, (2) HERA, (3) FGF, ..., (20) N-cadherin and (21) Thrombomodulin

Inventions 2-10: claims 1-8,10-13,15-23 (all partially)

panel comprising at least two probes which specifically bind to a marker associated with cancer forms other than lung cancer listed in claim 11

Invention 11: claims 1-8,10-13,16-23 (all part);14,24 (complete)

panel comprising at least two probes which specifically bind to a marker associated with lung cancer the primary probe specifically binds to Cyclin A and at least two other probes binding to SP-B, HERA or p29

Invention 12: Invention 11: claims 1 - 8,10-13,15-23, 15(all part)

panel adapted for the differential diagnosis of lung adenocarcinoma, comprising probes which specifically bind to Mucin 1 and thyroid transcription factor 1 and optionally further probes

Invention 13: claims 1-8,10-13,15-23,25 (all part)

panel adapted for the differential diagnosis of squamous cell carcinoma, comprising at least two probes specifically binding to CD44v6 and ER-related protein (p29)

Invention 14: claims 1-8,10-13,15-23,25 (all part)

panel adapted for the differential diagnosis of large cell carcinoma, comprising probes specifically binds to VEGF and P120



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:

Invention 15: claims 1-8,10-13,15-23,25 (all part)

panel adapted for the differential diagnosis of
mesothelioma, comprising a plurality of probes wherein at
least one probe specifically binds to PCNA or CD44v6

Invention 16: claims 1-8,10-13,15-23, 25 (all part)

panel adapted for the detection of small cell carcinoma,
comprising a plurality of probes wherein at least one probe
specifically binds to PCNA

Inventions 18-22: claims 1-7,9,10b,16,18,21-23

Panel for the detection or discrimination of infectious
diseases in which the infectious organism is

(18) a virus

(19) a bacterium..

(22) a fungus

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 74 9580

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.

04-05-2007

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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04-05-2007

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WO 0208764	A	JP 2004505247 T US 2003219726 A1	19-02-2004 27-11-2003

专利名称(译)	基于细胞的检测和疾病状态的区分		
公开(公告)号	EP1546709A4	公开(公告)日	2007-09-26
申请号	EP2003749580	申请日	2003-09-11
[标]申请(专利权)人(译)	蒙诺根有限公司		
申请(专利权)人(译)	单价元素, Inc.		
当前申请(专利权)人(译)	单价元素, Inc.		
[标]发明人	PRESSMAN NORMAN J HIRSCH KENNETH S		
发明人	PRESSMAN, NORMAN, J. HIRSCH, KENNETH, S.		
IPC分类号	G01N33/569 C07H21/04 C12Q1/04 C12Q1/68 G01N G01N33/48 G01N33/53 G01N33/571 G01N33/574		
CPC分类号	G01N33/569 C12Q1/6809 C12Q1/6883 C12Q2600/158 G01N33/56966 G01N33/574 G01N33/57484 G01N33/57492		
优先权	10/241753 2002-09-12 US		
其他公开文献	EP1546709A2		
外部链接	Espacenet		

摘要(译)

本发明提供了一种以高灵敏度和特异性检测和区分疾病状态的方法。该方法允许确定基于细胞的样品是否含有异常细胞, 并且对于某些疾病, 能够确定存在的疾病的组织学类型。该方法检测基于细胞的样品中分子标记物的表达水平和模式的变化。还提供了面板选择和验证程序。

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X	WO 98/28622 A (FODSTAD OEYSTEIN ;HOEIFOEDI HANNE KLEPPE (NO)) 2 July 1998 (1998-07-02) p. 10 - 13; p. 15, lines 3 - 33, examples, table 1, claims 1 - 12	1-8, 10-23	INV. G01N33/569 G01N33/574 G01N33/571
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X	US 5 731 162 A (ARCIONI LAURA ET AL) 24 March 1998 (1998-03-24) * the whole document *	1-7,10, 16,18, 21-23	
X	WO 94/24560 A (INT MUREX TECH CORP ;DUNCAN RICHARD JULIAN STUART (GB); BECKFORD U) 27 October 1994 (1994-10-27) abstract, p. 22, lines 26 - 36, p. 27, lines 13 - 24, Examples, claims 1, 8, '9	1-7,10, 16,18, 21-23	
X	WO 87/06620 A (MUREX CORP) 5 November 1987 (1987-11-05) * the whole document *	1-7,10, 16,18, 21-23	
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