



European Patent
Office

**SUPPLEMENTARY
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 45 of the European Patent Convention EP 02 79 1560
shall be considered, for the purposes of subsequent
proceedings, as the European search report

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	AN G. ET AL.,: "DIAGNOSIS AND PROGNOSIS OF PROSTATE CANCER USING MULTI-GENE EXPRESSION PROFILE" PROCEEDINGS OF THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH, NEW YORK, NY, US, vol. 40, March 1999 (1999-03), pages 235-236, XP001026246 ISSN: 0197-016X * the whole document *	1-22	C12Q1/68 G01N33/53 C07K16/00 C07H21/04
X	ELEK J ET AL: "MICROARRAY-BASED EXPRESSION PROFILING IN PROSTATE TUMORS" IN VIVO - INTERNATIONAL JOURNAL OF IN VIVO RESEARCH, GB, vol. 14, no. 1, January 2000 (2000-01), pages 173-182, XP001027452 ISSN: 0258-851X see whole doc. esp. Tab. III and discussion ----- -/--	1-22	TECHNICAL FIELDS SEARCHED (IPC) C12Q
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
INCOMPLETE SEARCH			
<p>The Search Division considers that the present application, or some or all of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for the following claims:</p> <p>Claims searched completely :</p> <p>Claims searched incompletely :</p> <p>Claims not searched :</p> <p>Reason for the limitation of the search:</p> <p>see sheet C</p>			
Place of search Munich		Date of completion of the search 19 October 2005	Examiner Mueller, F
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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EPO FORM 1503 03.02 (P04C20)



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	MAGEE J A ET AL: "EXPRESSION PROFILING REVEALS HEPsin OVEREXPRESSION IN PROSTATE CANCER" CANCER RESEARCH, AMERICAN ASSOCIATION FOR CANCER RESEARCH, BALTIMORE, MD, US, vol. 61, no. 15, 1 August 2001 (2001-08-01), pages 5692-5696, XP001098438 ISSN: 0008-5472 * the whole document *	1-22	
P,X	WO 02/059373 A (IRM, LLC; HAMPTON, GARRET, MALCOLM; WELSH, JOHN, BARNARD) 1 August 2002 (2002-08-01) see whole doc. esp. claims, examples and Tab.4	1-22	TECHNICAL FIELDS SEARCHED (IPC)
P,X	STAMEY T A ET AL: "MOLECULAR GENETIC PROFILING OF GLEASON GRADE 4/5 PROSTATE CANCERS COMPARED TO BENIGN PROSTATIC HYPERPLASIA" JOURNAL OF UROLOGY, BALTIMORE, MD, US, vol. 166, no. 6, December 2001 (2001-12), pages 2171-2177, XP009013825 ISSN: 0022-5347 see whole doc. esp. Tab.III, IV	1-22	
P,X	DHANASEKARAN S M ET AL: "Delineation of prognostic biomarkers in prostate cancer" NATURE, NATURE PUBLISHING GROUP, LONDON, GB, vol. 412, no. 6849, 23 August 2001 (2001-08-23), pages 822-826, XP002251015 ISSN: 0028-0836 se whole doc. esp. FIg.1 and p.825, 2.col., ff.	1-22	
	-/--		



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
P,X	WO 01/62271 A (THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS) 30 August 2001 (2001-08-30) see whole doc. esp. claims -----	1-22	
			TECHNICAL FIELDS SEARCHED (IPC)



Although claim 1 is directed to a method of treatment (surgery) of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the claimed method.



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:

1-22 (partially)



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: 1-22 (partial)

methods and kits for characterizing prostate cancer, method
of screening, by the use of Hepsin as marker

2. claims: 1-22 (partial)

methods and kits for characterizing prostate cancer, method
of screening by the use of Pim-1 as marker

3. claims: 1-22 (partial), 45-48 (complete)

methods and kits for characterizing prostate cancer, method
of screening by the use of EZH2 as marker

4. claims: 23-44 (complete)

methods and kits for characterizing prostate cancer, method
of screening by the use of AMACR as marker

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

EP 02 79 1560

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.

19-10-2005

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02059373	A	01-08-2002	CA 2432991 A1	01-08-2002
			EP 1425413 A2	09-06-2004
			JP 2004526434 T	02-09-2004

WO 0162271	A	30-08-2001	AU 3983201 A	03-09-2001
			CA 2400703 A1	30-08-2001
			EP 1257287 A1	20-11-2002
			JP 2003523524 T	05-08-2003
			MX PA02008258 A	23-05-2003

专利名称(译)	前列腺癌的表达谱		
公开(公告)号	EP1511855A4	公开(公告)日	2006-02-15
申请号	EP2002791560	申请日	2002-08-02
[标]申请(专利权)人(译)	密歇根大学		
申请(专利权)人(译)	密歇根大学董事会		
当前申请(专利权)人(译)	密歇根大学董事会		
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IPC分类号	C12N15/09 C12Q1/02 C12Q1/68 G01N33/15 G01N33/50 G01N33/53 G01N33/566 G01N33/574 C07K16/00 C07H21/04		
CPC分类号	G01N33/57434 C12Q1/6886 C12Q2600/158 Y10S436/811 Y10S436/813		
优先权	10/210120 2002-08-01 US 60/309581 2001-08-02 US 60/334468 2001-11-15 US		
其他公开文献	EP1511855A2		
外部链接	Espacenet		

摘要(译)

本发明涉及用于癌症诊断的组合物和方法，包括但不限于癌症标志物。特别地，本发明提供了与前列腺癌相关的基因表达谱。使用本发明的方法鉴定为癌症标志物的基因可用于前列腺癌的诊断和表征。此外，这些基因为癌症药物筛选和治疗应用提供了靶标。

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X	ELEK J. ET AL.: "MICROARRAY-BASED EXPRESSION PROFILING IN PROSTATE TUMORS" IN VIVO INTERNATIONAL JOURNAL OF IN VIVO RESEARCH, GB, vol. 14, no. 1, January 2000 (2000-01), pages 173-182, XP001027452 ISSN: 0258-851X see whole doc. esp. Tab. III and discussion	1-22	
The supplementary search report has been based on the last set of claims valid at the date of the search.			TECHNICAL FIELD(S) SEARCHED
INCOMPLETE SEARCH The Search Division certifies that the present application, or some or all of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for the following reasons: Claims searched completely: Claims searched incompletely: Claims not searched: Reason for the limitation of the search: see sheet C			C12Q
4	Place of search Munich	Date of completion of the search 19 October 2005	Searcher Hue1ler, F
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another A: documents of the same category C: non-relevant if taken alone F: intermediate document		I: theory or principle underlying the invention J: prior art document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons A: reference or the same patent family, corresponding document	