

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	J. LIU ET AL: "MicroRNA expression profile of gastric cancer stem cells in the MKN-45 cancer cell line", ACTA BIOCHIMICA ET BIOPHYSICA SINICA, vol. 46, no. 2, 2 January 2014 (2014-01-02), pages 92-99, XP055431774, US ISSN: 1672-9145, DOI: 10.1093/abbs/gmt135 * the whole document * * page 93, column 2, paragraph 2 * * table 1 *	1-12	INV. C12N15/09 C12M1/00 C12M1/34 C12Q1/68 G01N33/53 G01N33/574 G01N37/00
X	WO 2014/071205 A1 (DANA FARBER CANCER INST INC [US]) 8 May 2014 (2014-05-08) * claims 43-46 *	1-12	
X	EP 2 341 145 A1 (FEBIT HOLDING GMBH [DE]) 6 July 2011 (2011-07-06) * claims 1-15 *	1-15	
Y	BERILLO O ET AL: "Binding of intronic miRNAs to the mRNAs of host genes encoding intronic miRNAs and proteins that participate in tumourigenesis", COMPUTERS IN BIOLOGY AND MEDICINE, vol. 43, no. 10, 1 October 2013 (2013-10-01), pages 1374-1381, XP028715750, ISSN: 0010-4825, DOI: 10.1016/J.COMPBIOMED.2013.07.011 * the whole document * * paragraph [03.9] *	13-15	TECHNICAL FIELDS SEARCHED (IPC) C12Q
X	WO 2009/108860 A2 (UNIV OHIO RES FOUND [US]; US GOV HEALTH & HUMAN SERV [US]; CROCE CARLO) 3 September 2009 (2009-09-03) * claims 1-68 *	1-15	
Y		13-15	
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 The Hague		Date of completion of the search 7 December 2017	Examiner Bruma, Anja
<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>			

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due 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 those claims for which no payment was due.

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 (supplementary) 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 (supplementary) 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 (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims:
1-15(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: 1-15(partially)

A kit and/or device for the detection of prostate cancer and a method for diagnosing prostate cancer measuring the expression level of at least miRNA-4443.

2. claims: 1-15(partially)

A kit and/or device for the detection of prostate cancer and a method for diagnosing prostate cancer measuring the expression level of at least miRNA-1908-5p.

3-161. claims: 1-15(partially)

A kit and/or device for the detection of prostate cancer and a method for diagnosing prostate cancer measuring the expression level of at least the miRNA listed at position n in claim 1, wherein n=3 to 161.

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

EP 15 80 6052

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.

07-12-2017

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2014071205 A1	08-05-2014	US 2015322529 A1	12-11-2015
		WO 2014071205 A1	08-05-2014

EP 2341145 A1	06-07-2011	DK 2519646 T3	24-04-2017
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		US 2017211066 A1	27-07-2017
WO 2009108860 A2	03-09-2009		

专利名称(译)	前列腺癌检测试剂盒或装置，以及检测方法		
公开(公告)号	EP3156483A4	公开(公告)日	2018-04-18
申请号	EP2015806052	申请日	2015-06-12
[标]申请(专利权)人(译)	东丽株式会社 NAT癌症CENT		
申请(专利权)人(译)	TORAY INDUSTRIES, INC. 国家癌症中心		
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[标]发明人	KONDOU SATOSHI NOBUMASA HITOSHI KOZONO SATOKO SUDO HIROKO KAWAUCHI JUNPEI OCHIYA TAKAHIRO KOSAKA NOBUYOSHI		
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IPC分类号	C12N15/09 C12M1/00 C12M1/34 C12Q1/68 G01N33/53 G01N33/574 G01N37/00		
CPC分类号	C12Q1/6886 C12Q2600/158 C12Q2600/178 C12M1/00 C12M1/34 C12N15/09 C12Q1/68 G01N33/53 G01N33/574 G01N37/00 C12Q1/6834 C12Q2600/156 C12Q2600/16		
优先权	2014121377 2014-06-12 JP 2015071756 2015-03-31 JP		
其他公开文献	EP3156483A1		
外部链接	Espacenet		

摘要(译)

本发明的一个目的是提供用于检测前列腺癌的试剂盒或装置以及用于检测前列腺癌的方法。本发明提供用于检测前列腺癌的试剂盒或装置，其包含能够特异性结合受试者样品中的miRNA的核酸，和检测前列腺癌的方法，包括体外测量miRNA。

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X	J. LIU ET AL: "MicroRNA expression profile of gastric cancer stem cells in the MKN-45 cancer cell line" ACTA BIOCHIMICA ET BIOPHYSICA SINICA, vol. 46, no. 2, 2 January 2014 (2014-01-02), pages 92-99, #695431774, ISSN: 1672-9145, DOI: 10.1093/abbs/gmt135 = the whole document = = page 92, column 2, paragraph 2 = = table 1, column 2, paragraph 2 =	1-12	INV. C12N15/09 C12M1/00 C12M1/34 C12Q1/68 G01N33/53 G01N33/574 G01N37/00
X	WO 2014/071205 A1 (DANA FABER CANCER INST INC (US)) 8 May 2014 (2014-05-08) = claims 43-46 =	1-12	
X	EP 2 341 145 A1 (FESI HOLDING GMBH [DE]) 6 July 2011 (2011-07-06) = claims 1-15 =	1-15	
Y	BERILLO O ET AL: "Binding of intronic miRNAs to the mRNAs of host genes encoding intronic miRNAs and proteins that participate in tumorigenesis" COMPUTERS IN BIOLOGY AND MEDICINE, vol. 43, no. 10 1 October 2013 (2013-10-01), pages 1274-1281, #020715750, ISSN: 0010-4825, DOI: 10.1016/j.compbiomed.2013.07.011 = the whole document = = paragraph 103-91 =	13-15	SEQUENCIAL PUBLICATIONS C12Q
X	WO 2009/108860 A2 (UNIV OHIO RES FOUND [US] US GOV HEALTH & HUMAN SERVS [US] COCC CARLO) 3 September 2009 (2009-09-03) = claims 1-60 =	1-15	
Y		13-15	

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

CLASSIFICATION OF THE RELEVANT DOCUMENT

The Hague 7 December 2013 Bruma, Anja

CLASSIFICATION OF THE RELEVANT DOCUMENTS

1. priority reference # before date of publication of the supplementary search report

2. class of relevance according to the IPC, CPC, or other classification system

3. document title in the application

4. number of the same patent family, corresponding document

