

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	CHEN L ET AL: "The role of microRNA expression pattern in human intrahepatic cholangiocarcinoma", JOURNAL OF HEPATOLOGY, ELSEVIER, AMSTERDAM, NL, vol. 50, no. 2, 1 February 2009 (2009-02-01), pages 358-369, XP025949528, ISSN: 0168-8278, DOI: 10.1016/J.JHEP.2008.09.015 [retrieved on 2008-11-21] * the whole document *	1-15	INV. C12Q1/68 C12N15/09 G01N33/53 G01N33/566 G01N37/00
A	KENGO SHIGEHARA ET AL: "Real-Time PCR-Based Analysis of the Human Bile MicroRNAome Identifies miR-9 as a Potential Diagnostic Biomarker for Biliary Tract Cancer", PLOS ONE, vol. 6, no. 8, 17 August 2011 (2011-08-17) , page e23584, XP055422939, DOI: 10.1371/journal.pone.0023584 * the whole document *	1-15	TECHNICAL FIELDS SEARCHED (IPC) C12Q
A	TOMOYA KISHIMOTO ET AL: "Plasma miR-21 is a novel diagnostic biomarker for biliary tract cancer", CANCER SCIENCE, vol. 104, no. 12, 1 December 2013 (2013-12-01), pages 1626-1631, XP055422944, JP ISSN: 1347-9032, DOI: 10.1111/cas.12300 * the whole document *	1-15	
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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 9 November 2017	Examiner Schalich, Juliane
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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EPO FORM 1503 03 82 (P04N04)

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	E. LADEWIG ET AL: "Discovery of hundreds of mirtrons in mouse and human small RNA data", GENOME RESEARCH, vol. 22, no. 9, 1 September 2012 (2012-09-01), pages 1634-1645, XP055419072, US ISSN: 1088-9051, DOI: 10.1101/gr.133553.111 * the whole document *	1-12	
X	Anonymous: "Mature sequence hsa-miR-6836-3p", 1 September 2012 (2012-09-01), XP055422997, Retrieved from the Internet: URL:http://www.mirbase.org/cgi-bin/mature. pl?mature_acc=MIMAT0027575 [retrieved on 2017-11-08] * the whole document *	1-6	
X	Anonymous: "miRNAs associated with reference PubMed ID 22955976", 1 September 2012 (2012-09-01), XP055423044, Retrieved from the Internet: URL:http://www.mirbase.org/cgi-bin/referen ce.pl?medline=22955976 [retrieved on 2017-11-08] * the whole document *	1-6	
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 9 November 2017	Examiner Schalich, Juliane
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	

2
EPO FORM 1503 03 82 (P04N04)

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,P	MOTOHIRO KOJIMA ET AL: "MicroRNA Markers for the Diagnosis of Pancreatic and Biliary-Tract Cancers", PLOS ONE, vol. 10, no. 2, 23 February 2015 (2015-02-23), pages 1-22, XP055382030, DOI: 10.1371/journal.pone.0118220 * the whole document * -----	1-15	
			TECHNICAL FIELDS SEARCHED (IPC)
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		9 November 2017	Schalich, Juliane
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			

2
 EPO FORM 1503 03 82 (P04N04)

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)



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
EP 15 80 6290

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)

Methods of diagnosing biliary tract cancer by detection of
miR-6836-3p

2-161. claims: 1-15(partially)

Methods of diagnosing biliary tract cancer by detection of
the other miRs (target genes) cited between par. 235 and 395

专利名称(译)	胆道癌的检测试剂盒或装置及检测方法		
公开(公告)号	EP3156500A4	公开(公告)日	2018-04-04
申请号	EP2015806290	申请日	2015-06-11
[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		
当前申请(专利权)人(译)	TORAY INDUSTRIES , INC. 国家癌症中心		
[标]发明人	KAWAUCHI JUNPEI NOBUMASA HITOSHI KOZONO SATOKO KONDOU SATOSHI SUDO HIROKO OCHIAI ATSUSHI KOJIMA MOTOHIRO		
发明人	KAWAUCHI, JUNPEI NOBUMASA, HITOSHI KOZONO, SATOKO KONDOU, SATOSHI SUDO, HIROKO OCHIAI, ATSUSHI KOJIMA, MOTOHIRO		
IPC分类号	C12Q1/68 C12N15/09 G01N33/53 G01N33/566 G01N37/00		
CPC分类号	C12N15/09 C12Q1/68 G01N33/53 G01N33/566 G01N37/00 C12Q1/6834 C12Q1/6886 C12Q2600/178 C12Q2600/158		
审查员(译)	SCHALICH , JULIANE		
优先权	2014120884 2014-06-11 JP 2014185733 2014-09-11 JP		
其他公开文献	EP3156500A1		
外部链接	Espacenet		

摘要(译)

本发明提供用于检测胆道癌的试剂盒或装置，以及检测胆道癌的方法。本发明涉及用于检测胆道癌的试剂盒或装置，其包含能够特异性结合受试者样品中的miRNA的核酸，和检测胆道癌的方法，包括体外测量miRNA。



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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.

SEARCHED AT	Munich	SEARCHED ON	9 November 2017	SEARCHER	Schalich, Juliane
CLASSIFICATION OF CITED DOCUMENTS	<p> <input type="checkbox"/> International patent document <input type="checkbox"/> Patent document <input type="checkbox"/> Document of the same category <input type="checkbox"/> Non-patent literature <input type="checkbox"/> Intermediate document </p>				
OTHER INFORMATION	<p> <input type="checkbox"/> Family of patents underlying the invention <input type="checkbox"/> Patent document, EP/JP/US/CA/IL/EA/BR/IN/NO/PT/PL/RO/SE/SG/TH/TR/UA/VE/ZA/Other IPC classes <input type="checkbox"/> Document cited for other reasons <input type="checkbox"/> Translation of the same patent family, corresponding document </p>				