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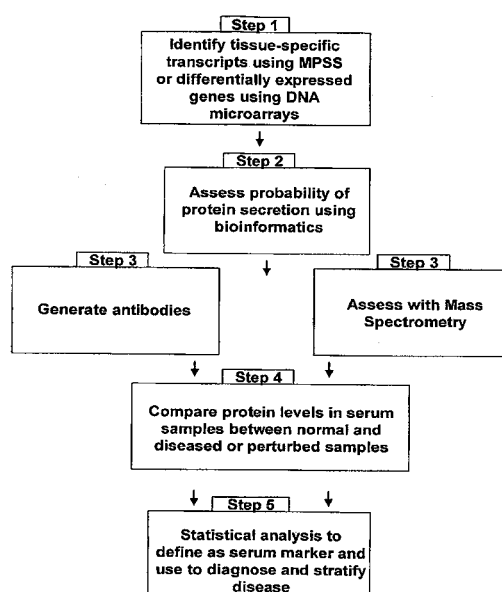
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(54) **Organ-specific proteins and methods of their use**

(57) The present invention relates generally to methods for identifying and using organ-specific proteins and transcripts. The present invention further provides compositions comprising organ-specific proteins and transcripts encoding the same, detection reagents for detecting such proteins and transcripts, and diagnostic panels, kits and arrays for measuring organ-specific proteins/transcripts in blood, biological tissue or other biological fluid.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 12 17 4646

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	WO 01/40276 A2 (UROGENESYS INC [US]) 7 June 2001 (2001-06-07) * p. 3, 3rd par.; p. 2, last par. *	1-7	TECHNICAL FIELDS SEARCHED (IPC) G01N
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 10 September 2012	Examiner Hohwy, Morten
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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EUROPEAN SEARCH REPORT

Application Number
EP 12 17 4646

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	XIAO-CHUN LU ET AL: "Molecular analysis of early rice stamen development using organ-specific gene expression profiling", PLANT MOLECULAR BIOLOGY, KLUWER ACADEMIC PUBLISHERS, DORDRECHT, NL, vol. 61, no. 6, 1 August 2006 (2006-08-01), pages 845-861, XP019405483, ISSN: 1573-5028, DOI: 10.1007/S11103-006-0054-3 * abstract *	1-7	TECHNICAL FIELDS SEARCHED (IPC)
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A	US 2006/094064 A1 (RAY SANDIP [US] ET AL) 4 May 2006 (2006-05-04) * claim 1 *	1-7	
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1 The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 10 September 2012	Examiner Hohwy, Morten
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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EUROPEAN SEARCH REPORT

Application Number
EP 12 17 4646

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	WO 2005/114221 A2 (INST SYSTEMS BIOLOGY [US]; AEBERSOLD RUDOLPH H [CH]; ZHANG HUI [US] IN) 1 December 2005 (2005-12-01) * SEQ. ID. 245; abstract *	1-7	
Y	WO 03/052119 A2 (INCYTE GENOMICS INC [US]; BAUGHN MARIAH R [US]; CHANG HSIN-RU) 26 June 2003 (2003-06-26) * SEQ. ID. 4; abstract; claims 1, 30 *	1-7	
			TECHNICAL FIELDS SEARCHED (IPC)
1 The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 10 September 2012	Examiner Hohwy, Morten
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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Application Number

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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 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:
- 1-7 (partially)
- ☐ The present supplementary 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 (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

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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: 1-7(partially)

Methods for detecting the health status of an organ in a subject by detecting at least ten markers in a blood, serum or plasma sample from said subject, said markers being selected from Table 43B and a diagnostic panel comprising at least 5 markers selected from Table 43B, wherein said markers comprise ABCC3 (first marker of Table 43B).

2-19704. claims: 1-7(partially)

Methods for detecting the health status of an organ in a subject by detecting at least ten markers in a blood, serum or plasma sample from said subject, said markers being selected from Table 43B and a diagnostic panel comprising at least 5 markers selected from Table 43B, wherein said markers comprise the n'th marker of table 43B for invention no. n.

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

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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
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10-09-2012

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

专利名称(译)	器官特异性蛋白质及其使用方法		
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CPC分类号	G01N33/68 G01N33/6845 G01N2800/00 G01N2800/52		
代理机构(译)	庆祝活动, JENTSCHURA & PARTNER		
优先权	60/836986 2006-08-09 US		
其他公开文献	EP2520935A2		
外部链接	Espacenet		

摘要(译)

本发明一般涉及鉴定和使用器官特异性蛋白质和转录物的方法。本发明进一步提供了包含器官特异性蛋白质和编码其的转录物的组合物, 用于检测此类蛋白质和转录物的检测试剂, 以及用于测量血液, 生物组织或其他生物学液体中器官特异性蛋白质/转录物的诊断组, 试剂盒和阵列。

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FIG. 1

