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(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
08768680.4 / 2 171 450

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(54) **Proteoglycan-4 as marker for chronic renal failure**

(57) Proteoglycan-4 as a blood biomarker and therapeutic target for chronic renal failure. Proteoglycan-4 is found to be useful as a blood biomarker for chronic renal failure and also as a therapeutic target for treating chronic

renal failure in a human individual. A change in the level of expression of selected genes as disclosed herein in kidney tissue of an individual may also be used to diagnose chronic renal failure in an individual.

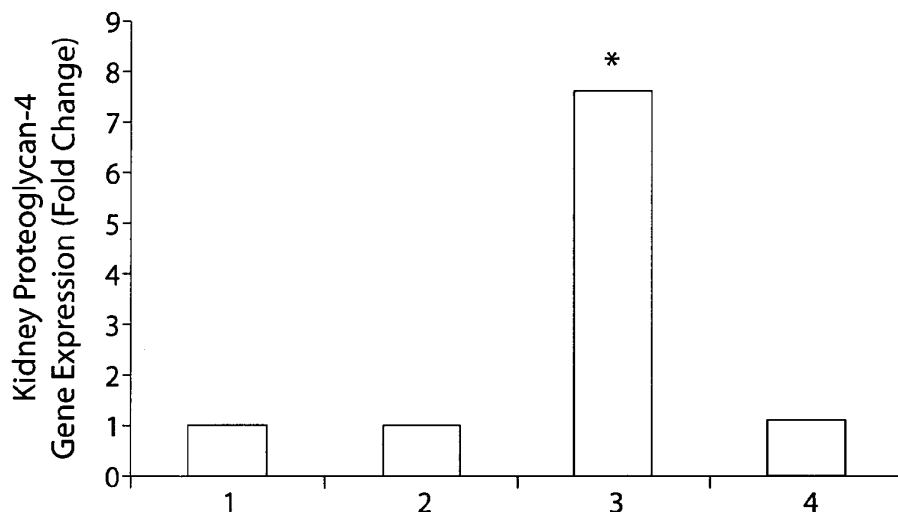


Fig. 4

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EUROPEAN SEARCH REPORT

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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	EP 0 875 571 A2 (SMITHKLINE BEECHAM CORP [US]) 4 November 1998 (1998-11-04) * abstract; claim 15 *	1-5	INV. G01N33/48 G01N33/53 G01N33/68
A	KATAYOON SHAYAN ET AL: "Synovial Pathology in Camptodactyly-Arthropathy-Coxa Vara-Pericarditis Syndrome", PEDIATRIC AND DEVELOPMENTAL PATHOLOGY, SPRINGER-VERLAG, NE, vol. 8, no. 1, 1 February 2005 (2005-02-01), pages 26-33, XP019367967, ISSN: 1615-5742 * page 26 * * page 33 *	1-5	
A	Young, A.A. et al: "Proteoglycan 4 downregulation in a sheep meniscectomy model of early osteoarthritis", Arthritis Research & Therapy, vol. 8, R41, 31 January 2006 (2006-01-31), XP002671507, DOI: 10.1186/ar1898 Retrieved from the Internet: URL: http://arthritis-research.com/content/8/2/R41 [retrieved on 2012-03-15] * abstract *	1-5	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			G01N
Place of search		Date of completion of the search	Examiner
Munich		20 March 2012	Klee, Barbara
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 (F04C01)



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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:
1-5(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: 1-5(partially)

Method of detecting CRF with the marker proteoglycan-4

2. claims: 1-5(partially)

Method of detecting CRF with the marker aggrecan

3. claims: 1-5(partially)

Method of detecting CRF with the marker BMP-7

4. claims: 1-5(partially)

Method of detecting CRF with the marker TSP-1

5. claims: 1-5(partially)

Method of detecting CRF with the marker BMP-1

**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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

20-03-2012

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0875571 A2	04-11-1998	CA 2228742 A1	30-10-1998
		EP 0875571 A2	04-11-1998
		JP 11032785 A	09-02-1999
		JP 2002223778 A	13-08-2002

EPO FORM P0459

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