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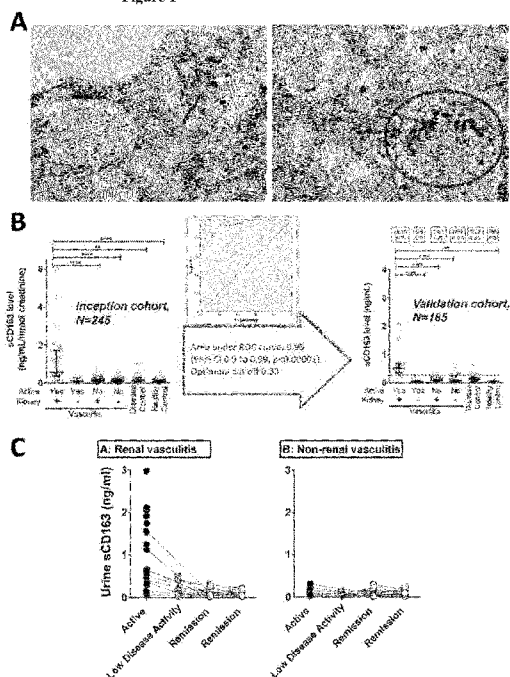
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[Continued on next page]

(54) Title: METHOD AND ASSAY FOR DIAGNOSING RAPIDLY PROGRESSIVE GLOMERULONEPHRITIS IN A SUBJECT

Figure 1



(57) Abstract: A method for identifying an individual with active crescentic glomerulonephritis (CGN), the method comprising the step of assaying a biological sample obtained from the individual for the presence of an elevated level of sCD163 when compared to levels in a reference sample, wherein an elevated level of sCD163 when compared to levels in a reference sample correlates with the individual having active CGN.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2016/058471

A. CLASSIFICATION OF SUBJECT MATTER
INV. G01N33/68
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, BIOSIS, CHEM ABS Data, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TSUBOI NAOTAKE ET AL: "Association of Glomerular Macrophage Phenotypes and Urine Soluble CD163 with Disease Activity in Human Lupus Nephritis", ARTHRITIS & RHEUMATOLOGY (HOBOKEN), JOHN WILEY & SONS, INC, US, vol. 66, no. Suppl.10, 1 October 2014 (2014-10-01), page S727, XP009191726, ISSN: 2326-5191 abstract ----- -/--	1-17, 23-29



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

1 December 2016

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INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2016/058471

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	O'REILLY VINCENT P ET AL: "Urinary Soluble CD163 in Active Renal Vasculitis", JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY, LIPPINCOTT WILLIAMS & WILKINS, US, vol. 27, no. 9, 1 September 2016 (2016-09-01), pages 2906-2916, XP009191718, ISSN: 1533-3450, DOI: 10.1681/ASN.2015050511 the whole document	1-17, 23-29
A	----- LONGXIANG SU ET AL: "Diagnostic value of urine sCD163 levels for sepsis and relevant acute kidney injury: a prospective study", BMC NEPHROLOGY, BIOMED CENTRAL, LONDON, GB, vol. 13, no. 1, 26 September 2012 (2012-09-26), page 123, XP021120340, ISSN: 1471-2369, DOI: 10.1186/1471-2369-13-123	1-17, 23-29
A	----- IKEZUMI YOHEI ET AL: "Alternatively activated macrophages in the pathogenesis of chronic kidney allograft injury", PEDIATRIC NEPHROLOGY, SPRINGER VERLAG, BERLIN, DE, vol. 30, no. 6, 9 December 2014 (2014-12-09), pages 1007-1017, XP035490414, ISSN: 0931-041X, DOI: 10.1007/S00467-014-3023-0 [retrieved on 2014-12-09]	1-17, 23-29

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2016/058471

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-17, 23-29

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-17, 23-29

Use of sCD163 as biomarker for crescentic
glomerulonephritis.

2. claims: 18-22

System for the detection of sCD163.
