



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	US 5 900 359 A (MATSUURA ET AL) 4 May 1999 (1999-05-04) * the whole document * In particular: col. 1, l. 9-15; col. 2, l. 44-49; col. 3, l. 55 - col. 2, l. 57; col. 8, l. 54 - col. 11, l. 35 -----	1-25	INV. G01N33/53 G01N33/96
Y	MATSUURA EIJI ET AL: "Anti-beta 2-glycoprotein I autoantibodies and atherosclerosis." INTERNATIONAL REVIEWS OF IMMUNOLOGY. 2002 JAN-FEB, vol. 21, no. 1, January 2002 (2002-01), pages 51-66, XP008063196 ISSN: 0883-0185 * the whole document * In particular: p. 51, abstract; p. 55, paragraph 2; p. 57, paragraph 1; p. 61, paragraphs 2 and 3. -----	1-25	
Y	LIU QINGPING ET AL: "omega-Carboxyl variants of 7-ketocholesteryl esters are ligands for beta2-glycoprotein I and mediate antibody-dependent uptake of oxidized LDL by macrophages" JOURNAL OF LIPID RESEARCH, vol. 43, no. 9, September 2002 (2002-09), pages 1486-1495, XP002377699 ISSN: 0022-2275 * the whole document * In particular: p. 1486, abstract; p. 1494, col. 1, paragraph 3. ----- -/--	1-25	TECHNICAL FIELDS SEARCHED (IPC) G01N
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 <b>The Hague</b>		Date of completion of the search <b>21 April 2006</b>	Examiner <b>Angioni, C</b>
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 (F04C04)



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	MATSUURA EIJI ET AL: "Autoantibody-mediated atherosclerosis." AUTOIMMUNITY REVIEWS. DEC 2002, vol. 1, no. 6, 25 August 2002 (2002-08-25), pages 348-353, XP002377700 ISSN: 1568-9972 * the whole document *	1-25	
A	CUADRADO M J ET AL: "Antiphospholipid, anti-beta 2-glycoprotein-I and anti-oxidized-low-density-lipoprotein antibodies in antiphospholipid syndrome." QJM : MONTHLY JOURNAL OF THE ASSOCIATION OF PHYSICIANS. SEP 1998, vol. 91, no. 9, September 1998 (1998-09), pages 619-626, XP002377701 ISSN: 1460-2725 * the whole document *	1-25	
			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 <b>The Hague</b>		Date of completion of the search <b>21 April 2006</b>	Examiner <b>Angioni, C</b>
<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  .....  &amp; : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03.82 (F04C04)



### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims 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 the first ten claims.

### 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



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

A standard for measuring oxidized LDL/beta 2-GPI complex.

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2. claims: 6-9

A method of measuring oxidized LDL/beta 2-GPI complex.

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3. claims: 10-11

A method of detecting a disease, which comprises measuring oxidized LDL/beta 2-GPI complex.

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4. claims: 12-14

A kit for measuring oxidized LDL/beta 2-GPI complex.

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5. claims: 15-17

An antigen for measuring oxidized LDL/beta 2-GPI complex.

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6. claim: 18

A method of measuring an antibody recognizing oxidized LDL/beta 2-GPI complex.

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7. claims: 19-20

A method of detecting a disease, which comprises measuring an antibody recognizing oxidized LDL/beta 2-GPI complex.

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8. claim: 21

A solid phase having oxidized LDL/beta 2-GPI complex immobilized thereon.

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9. claims: 22-24

A kit for measuring an antibody recognizing oxidized LDL/beta 2-GPI complex.

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10. claim: 25



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:

A method of measuring an immune complex in a sample by using an antibody recognizing oxidized LDL/beta 2-GPI complex.

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

EP 03 79 4267

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.

21-04-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5900359 A	04-05-1999	AU 7707294 A	18-04-1995
		CA 2172247 A1	06-04-1995
		EP 0722086 A1	17-07-1996
		WO 9509363 A1	06-04-1995
		JP 3370334 B2	27-01-2003
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专利名称(译)	在体内测定氧化的LDL-β2-糖蛋白i复合物的方法		
公开(公告)号	<a href="#">EP1548436A4</a>	公开(公告)日	2006-09-20
申请号	EP2003794267	申请日	2003-09-05
[标]申请(专利权)人(译)	松浦EIJI		
申请(专利权)人(译)	松浦英二		
当前申请(专利权)人(译)	松浦英二		
[标]发明人	MATSUURA EIJI		
发明人	MATSUURA, EIJI		
IPC分类号	G01N33/92 G01N33/53 G01N33/96		
CPC分类号	G01N33/92		
优先权	2002261366 2002-09-06 JP		
其他公开文献	EP1548436A1 EP1548436B1		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

具有与β2-GPI共价结合的oxLDL的复合物可用作测量活体中β2-GPI / oxLDL复合物的标准，从而更准确和严格地测量活体中的β2-GPI / oxLDL复合物，并且可以是用于提供新的测量方法，检测方法，试剂盒等。

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
✓	Citation of document with indication, where appropriate, of relevant passages. US 5 906 359 A (MATSUURA ET AL) 4 May 1999 (1999-05-04) * the whole document * In particular: col. 1, 9-15; col. 2, 1, 44-49; col. 3, 1, 55 - col. 2, 1, 57; col. 8, 1, 54 - col. 11, 1, 35	1-25	INV G01N33/53 G01N33/96
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The Hague	21 April 2006		Angioni, C
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