



European Patent  
Office

**SUPPLEMENTARY  
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 45 of the European Patent Convention EP 03 78 9687 shall be considered, for the purposes of subsequent proceedings, as the European search report

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	VEISER N ET AL: "[Acute-phase reaction in children with leukemia at the time of diagnosis]" KLINISCHE PÄDIATRIE 1984 MAR-APR, vol. 196, no. 2, March 1984 (1984-03), pages 90-93, XP009082163 ISSN: 0300-8630	28,32-34	INV. G01N33/50
Y	* abstract * * page 91, column 1, paragraph 1 * * page 91, column 2, line 8 - line 11 * * page 91, column 2, line 17 - line 27 * * page 92, column 2, paragraph 2 * * page 92, column 2, line 35 - line 37 * * page 93, column 1, paragraph 5 * * figures 1,2 *  -----  -/--	1-24, 26-31	
			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.			
<b>INCOMPLETE SEARCH</b>			
The Search Division considers that the present application, or some or all of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for the following claims: Claims searched completely :  Claims searched incompletely :  Claims not searched :  Reason for the limitation of the search: see sheet C			
Place of search Munich		Date of completion of the search 18 May 2007	Examiner SCHINDLER-BAUER, P
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 03.02 (P04C20)



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
Y	<p>JEON H J ET AL: "ABERRANT EXPRESSION OF THE MONOCYTE/MACROPHAGE PHENOTYPE IN A HUMAN T CELL LINE IMMORTALIZED BY HTLV-I AND AN ADULT T CELL LEUKEMIA/LYMPHOMA CELL LINE" PATHOLOGY INTERNATIONAL, CARLTON SOUTH,, AU, vol. 44, no. 1, January 1994 (1994-01), pages 39-48, XP009080925 ISSN: 1320-5463 * page 39 * * page 40; table 1 *</p>	1-24, 26-31	
A	<p>ARAKI K ET AL: "Clinical significance of serum soluble IL-2R levels in patients with adult T cell leukaemia (ATL) and HTLV-1 carriers." CLINICAL AND EXPERIMENTAL IMMUNOLOGY FEB 2000, vol. 119, no. 2, February 2000 (2000-02), pages 259-263, XP002429853 ISSN: 0009-9104 abstract * page 260, paragraph 2 *</p>	2-5,18, 19	TECHNICAL FIELDS SEARCHED (IPC)
A	<p>ANDERSEN M M: "LEUCOCYTE-ASSOCIATED PLASMA PROTEINS IN LEUCOCYTES DURING DISEASE STATES, AND IN LEUKAEMIC CELLS" SCANDINAVIAN JOURNAL OF CLINICAL AND LABORATORY INVESTIGATION, BLACKWELL SCIENTIFIC PUBLICATIONS, OXFORD, GB, vol. 44, no. 3, May 1984 (1984-05), pages 257-265, XP009082162 ISSN: 0085-591X abstract * page 263, column 1, line 32 - line 44; table 1 *</p>	1-24, 26-34	



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	PELLINIEMI T T ET AL: "Immunoreactive interleukin-6 and acute phase proteins as prognostic factors in multiple myeloma. Finnish Leukemia Group." BLOOD 1 FEB 1995, vol. 85, no. 3, 1 February 1995 (1995-02-01), pages 765-771, XP002429850 ISSN: 0006-4971 * abstract; table 1 *	1-24, 26-34	
A	GURDA M: "Haptoglobin (Hp) level of blood serum in leukaemic patients." FOLIA HAEMATOLOGICA (LEIPZIG, GERMANY : 1928) 1971, vol. 95, no. 1, 1971, pages 37-41, XP009082159 ISSN: 0323-4347 abstract * page 37 - page 39 *	1-24, 26-34	TECHNICAL FIELDS SEARCHED (IPC)
A	ISSAQ H J ET AL: "The SELDI-TOF MS approach to proteomics: protein profiling and biomarker identification" BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 292, no. 3, 5 April 2002 (2002-04-05), pages 587-592, XP002279299 ISSN: 0006-291X * the whole document *	2,12-16, 27, 29-31, 33,34	
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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	EPELBAUM R ET AL: "Haptoglobin-related protein as a serum marker in malignant lymphoma." PATHOLOGY ONCOLOGY RESEARCH : POR 1998, vol. 4, no. 4, 1998, pages 271-276, XP002429849 ISSN: 1219-4956 abstract * page 276, paragraph 2; figure 1 * -----	1-24, 26-34	
			TECHNICAL FIELDS SEARCHED (IPC)



Claim(s) searched incompletely:  
1-24,26-34

Claim(s) not searched:  
25,35

Reason for the limitation of the search:

The present claims 1-24 and 26-34 relate to an extremely large number of possible methods. Due to the only use of molecular weight to characterize the claimed protein biomarkers, fragments of any other proteins fall within the claimed scope. Support and disclosure in the sense of Article 84 and 83 EPC is to be found however for only a very small proportion of the methods claimed. The non-compliance with the substantive provisions is to such an extent, that a meaningful search of the whole claimed subject-matter of the claim could not be carried out (Rule 45 EPC and Guidelines B-VIII, 3). The extent of the search was consequently limited.

The search of claims 1-24 and 26-34 was restricted to sequence IDs 2 and 4-11, wherein the marker proteins are restricted to human haptoglobin or alpha-1-antitrypsin, or fragments thereof. Claim 25 was not searched at all, because it does not relate to any specified sequence. Claim 35 was not searched, because it is not defined by any technical feature, contrary to the requirements of clarity (Article 84 EPC).

专利名称(译)	诊断HTLV-I介导的疾病的方法		
公开(公告)号	<a href="#">EP1506408A4</a>	公开(公告)日	2007-07-11
申请号	EP2003789687	申请日	2003-05-16
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发明人	SEMMES, OLIVER, JOHN, IV WRIGHT, GEORGE, L., JR. WARD, MICHAEL, D.		
IPC分类号	G01N33/483 G01N33/50 C07K14/47 C07K16/18 C12N15/09 C12Q1/68 G01N G01N33/53 G01N33/567 G01N33/569 G01N33/574 G01N33/68		
CPC分类号	G01N33/57426 G01N33/56988 G01N2333/15 G01N2333/805 G01N2333/8125		
代理机构(译)	LEE , NICHOLAS JOHN		
优先权	60/380854 2002-05-17 US		
其他公开文献	EP1506408A2		
外部链接	<a href="#">Espacenet</a>		

### 摘要(译)

描述了可有利地用于辅助或诊断HTLV-I相关性脊髓病 (HAM)，成人T细胞白血病 (ATL) 或阴性诊断的蛋白质生物标志物。因此，在本发明的一个方面，提供了用于辅助或以其他方式进行ATL，HAM诊断或阴性诊断的方法。还提供了检测蛋白质生物标志物的方法，可用于检测生物标志物的试剂盒，以及分离的蛋白质生物标志物。

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages		
X	WEISER N ET AL: "[Acute-phase reaction in children with leukemia at the time of diagnosis]" KLINISCHE PADIATRIE 1984 MAR-APR, vol. 106, no. 2, March 1984 (1984-03), pages 96-93, XP009082163 ISSN: 0300-8630	28, 32-34	INV. G01N33/50
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The supplementary search report has been based on the last set of claims valid on the date of the search.			
<b>INCOMPLETE SEARCH</b>			
The Search Division considers that the present application, or some or all of its claims, does/did not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for the following reasons:			
Claims searched completely:			
Claims searched incompletely:			
Claims not searched:			
Reason for the limitation of the search: see sheet C			
5	Date of search: <b>Munich</b>	Date of completion of the search: <b>18 May 2007</b>	Examiner: <b>SCHINDLER-BAUER, P</b>
POTENTIAL RELEVANCE	CATEGORY OF CITED DOCUMENTS		
	<ul style="list-style-type: none"> <li>X: particularly relevant if taken alone</li> <li>Y: particularly relevant if combined with another document of the same category</li> <li>Z: non-relevant if taken alone</li> <li>A: technological background</li> <li>P: intermediate document</li> <li>T: theory or principle underlying the invention</li> <li>E: earlier patent document, but published on, or after, the filing date</li> <li>D: document cited in the application</li> <li>L: document cited for other reasons</li> <li>A*: member of the same patent family, corresponding document</li> </ul>		