



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	BARR J R ET AL: "Isotope dilution-mass spectrometric quantification of specific proteins: model application with apolipoprotein A-I" CLINICAL CHEMISTRY, AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY, WASHINGTON, DC, US, vol. 42, no. 10, 1996, pages 1676-1682, XP002964160 ISSN: 0009-9147 * abstract * * page 1677, column 1, paragraph 2 * * page 1677, column 2, paragraph 6 - page 1678, column 1, paragraph 1 * * page 1678, column 2, paragraph 3 - page 1679, column 1, paragraph 1 * * page 1681, column 2, paragraph 2 *	1-3	G01N33/53
Y	-----	4-33	
X	SANNOLO NICOLA ET AL: "Biomonitoring of human exposure to methyl bromide by isotope dilution mass spectrometry of peptide adducts" JOURNAL OF MASS SPECTROMETRY, vol. 34, no. 10, October 1999 (1999-10), pages 1028-1032, XP009060641 ISSN: 1076-5174 * abstract * * page 1029, column 1, paragraph 3 - page 1030, column 2, paragraph 1 *	1-10,13, 15-17, 29,30	TECHNICAL FIELDS SEARCHED (IPC)
Y	-----	11,12, 14, 18-28, 31-33	G01N C07K
Y	-----	-/-	
1	The supplementary search report has been based on the last set of claims valid and available at the start of the search.		
EPO FORM 1503 03-82 (P04C04)	Place of search	Date of completion of the search	Examiner
	Munich	30 January 2006	Thumb, W
CATEGORY OF CITED DOCUMENTS		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	
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			



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X	WO 00/11208 A (UNIVERSITY OF WASHINGTON) 2 March 2000 (2000-03-02) * abstract * * page 4, paragraph 2 * * page 5, paragraph 2-4 * * page 8 - page 9 * * page 19, paragraph 2 * * page 25, paragraph 3 * -----	4-9, 11-18, 21-33 1-3,10, 19	
Y	ZHOU H ET AL: "A systematic approach to the analysis of protein phosphorylation" NATURE BIOTECHNOLOGY, NATURE PUBLISHING, US, vol. 19, April 2001 (2001-04), pages 375-378, XP002974320 ISSN: 1087-0156 * page 375, column 2, paragraph 4 * * page 378, column 1, paragraph 2 * -----	22,23, 29-32	TECHNICAL FIELDS SEARCHED (IPC)
X	VINALE F ET AL: "Development of a stable isotope dilution assay for an accurate quantification of protein-bound Nepsilon-(1-deoxy-D-fructos-1-yl)-L-1 ysine using a 13C-labeled internal standard" JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol. 47, no. 12, December 1999 (1999-12), pages 5084-5092, XP002365015 ISSN: 0021-8561 * abstract * * page 5088, column 1, paragraph 7 - column 2, paragraph 2 * * page 5090, column 1, paragraph 3 * ----- -/-	22,23	
1	The supplementary search report has been based on the last set of claims valid and available at the start of the search.		
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
Y	<p>DESIDERIO D M: "Mass spectrometric analysis of neuropeptidergic systems in the human pituitary and cerebrospinal fluid" JOURNAL OF CHROMATOGRAPHY B : BIOMEDICAL APPLICATIONS, ELSEVIER SCIENCE PUBLISHERS, NL, vol. 731, no. 1, 6 August 1999 (1999-08-06), pages 3-22, XP004177426 ISSN: 0378-4347 * the whole document *</p> <p>-----</p>	1-33	
E	<p>WO 02/084250 A (FEMTOLINK BIOTECHNOLOGIES LLC; EVERETT, NICHOLAS, P; PETELL, JAMES, K;) 24 October 2002 (2002-10-24) * the whole document * in particular pages 14-16.</p> <p>-----</p>	1-33	
			TECHNICAL FIELDS SEARCHED (IPC)
1			
<p>The supplementary search report has been based on the last set of claims valid and available at the start of the search.</p> <p>1</p>			
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<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</p> <p>.....</p> <p>& : member of the same patent family, corresponding document</p>			

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

EP 02 75 7101

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.

30-01-2006

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0011208	A	02-03-2000		AT 253126 T AU 755334 B2 AU 5691399 A DE 69912444 D1 DE 69912444 T2 EP 1105517 A1 JP 3345401 B2 JP 2002523058 T JP 2003107066 A		15-11-2003 12-12-2002 14-03-2000 04-12-2003 22-07-2004 13-06-2001 18-11-2002 30-07-2002 09-04-2003
WO 02084250	A	24-10-2002		CA 2444524 A1 EP 1415137 A2		24-10-2002 06-05-2004

专利名称(译)	通过多级质谱法对蛋白质及其修饰形式进行绝对定量		
公开(公告)号	EP1472539A4	公开(公告)日	2006-03-29
申请号	EP2002757101	申请日	2002-08-14
[标]申请(专利权)人(译)	哈佛大学校长及研究员协会		
申请(专利权)人(译)	主席和哈佛学院院士		
当前申请(专利权)人(译)	主席和哈佛学院院士		
[标]发明人	GYGI STEVEN P GERBER SCOTT ANTHONY		
发明人	GYGI, STEVEN. P. GERBER, SCOTT, ANTHONY		
IPC分类号	G01N33/68 G01N33/53		
CPC分类号	G01N33/6848 G01N33/6803 G01N33/6818 G01N33/6842 G01N2458/15		
优先权	60/312279 2001-08-14 US		
其他公开文献	EP1472539B1 EP1472539A2		
外部链接	Espacenet		

摘要(译)

本发明提供了用于检测和/或定量复杂混合物(例如细胞裂解物)中的蛋白质的试剂,试剂盒和方法。该方法可用于高通量测定以分析细胞蛋白组。在一个方面,本发明提供了用稳定同位素标记的肽内标,其在氨基酸序列中对应于靶多肽的亚序列的氨基酸序列。另一方面,肽内标在修饰的氨基酸残基处标记,并用于确定特定修饰形式的蛋白质的存在和/或定量。

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X	<p>SANNOLO NICOLA ET AL: "Biomonitoring of human exposure to polychlorinated biphenyl by isotope dilution mass spectrometry of peptide adducts". JOURNAL OF MASS SPECTROMETRY, vol. 34, no. 10, October 1999 (1999-10), pages 1028-1032, XP009060641, ISSN0883-6174</p> <p>* abstract</p> <p>* page 1029, column 1, paragraph 3 - page 1030, column 2, paragraph 1</p>	4-33	<p>1-10, 13, 15-17, 29-30</p> <p>TECHNICAL FIELD(S) SEARCHED (IPC)</p> <p>G01N C07K</p>
Y	<p>-----</p> <p>-----</p> <p>-----</p>	11, 12, 14-16, 18-28, 31-33	-----
<p>The supplementary search report has been based on the last available version of the document and available at the last available version of the document.</p> <p>1 Power of attorney</p> <p>Munich Date of completion of the search: 30 January 2006</p> <p>Thum, W Examiner</p> <p>CATEGORY OF CITED DOCUMENTS</p> <p>Y: particularly relevant if taken alone D: document which may be cited together with another document in the same category A: technological background document P: intermediate document</p> <p>T: theory or principle underlying the invention B: broadening of the scope of protection, or after the filing date C: disclosure of the application D: document cited for other reasons E: document of the same patent family, corresponding document</p>			