



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	CA 2 332 132 A1 (PFIZER PRODUCTS INC) 15 August 2001 (2001-08-15) * the whole document * * page 61, line 48 * * page 59, line 4 - line 8 * * claims 1,34 * * figure 4 *	1-111	INV. G01N33/53 C12Q1/37 G01N33/68
A	----- DONGRE A R ET AL: "Emerging tandem-mass-spectrometry techniques for the rapid identification of proteins" TRENDS IN BIOTECHNOLOGY, ELSEVIER PUBLICATIONS, CAMBRIDGE, GB, vol. 15, no. 10, October 1997 (1997-10), pages 418-425, XP004090548 ISSN: 0167-7799 * the whole document * * figure 1 * * figure 2 *	1-111	
A	----- GEVAERT K ET AL: "Protein identification methods in proteomics" ELECTROPHORESIS, WEINHEIM, DE, vol. 21, 17 April 2000 (2000-04-17), pages 1145-1154, XP002223131 ISSN: 0173-0835 * the whole document * * page 1148 - page 1151 *	1-111	TECHNICAL FIELDS SEARCHED (IPC) C12Q G01N
A	----- GELPI E: "Biomedical and biochemical applications of liquid chromatography-mass spectrometry" JOURNAL OF CHROMATOGRAPHY A, ELSEVIER, AMSTERDAM, NL, vol. 703, no. 1, 26 May 1995 (1995-05-26), pages 59-80, XP004023360 ISSN: 0021-9673 * the whole document *	1-111	
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 The Hague		Date of completion of the search 20 January 2006	Examiner Jenkins, G
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	



European Patent
Office

**INCOMPLETE SEARCH
SHEET C**

Application Number

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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:

Inventions 1-42: claims 1-111 [partial]

SEQ ID NOs 2-43 (inventions 1-42) as proteolysis products of collagen found in urine.

- 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:

1-111 (partial)



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:

Inventions 1-42: claims 1-111 [partial]

SEQ ID NOs 2-43 (inventions 1-42) as proteolysis products of collagen found in urine.

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

EP 02 75 7528

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.

20-01-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CA 2332132 A1	15-08-2001	BR 0102323 A	04-12-2001
		EP 1130401 A2	05-09-2001
		JP 2001264329 A	26-09-2001

专利名称(译)	肽生物标志物和鉴定方法		
公开(公告)号	EP1497646A4	公开(公告)日	2006-07-19
申请号	EP2002757528	申请日	2002-08-30
[标]申请(专利权)人(译)	法马西亚公司		
申请(专利权)人(译)	法玛西亚公司		
当前申请(专利权)人(译)	法玛西亚公司		
[标]发明人	WELSCH DEAN J DUFFIN KEVIN L NEMIROVSKIY OLGA V DUFIELD DAWN R SUNYER TERESA HOWARD CAROL PEARCY		
发明人	WELSCH, DEAN, J. DUFFIN, KEVIN, L. NEMIROVSKIY, OLGA, V. DUFIELD, DAWN, R. SUNYER, TERESA HOWARD, CAROL PEARCY		
IPC分类号	G01N33/50 G01N33/53 C07K7/00 C07K7/04 C07K14/00 C07K14/78 C07K16/18 C12Q1/37 G01N30/86 G01N33/15 G01N33/537 G01N33/543 G01N33/68		
CPC分类号	G01N33/6842 C07K14/78 C07K16/18 C12Q1/37 G01N33/6821 G01N33/6887 G01N2333/78 G01N2333/96486 G01N2500/02 G01N2800/102 G01N2800/105 G01N2800/52 Y10T436/105831		
优先权	60/316554 2001-08-31 US		
其他公开文献	EP1497646A2		
外部链接	Espacenet		

摘要(译)

一种通过质谱分析鉴定和定量由II型胶原酶裂解产生的肽以检测具有已知质荷比的羧基末端的特征肽片段以鉴定具有该羧基末端的肽的方法。生物样品中肽的鉴定和定量用于评估蛋白水解酶在疾病或生理条件(例如骨关节炎和类风湿性关节炎)中的活性,并评估酶阻断剂的功效。

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CATEGORY OF CITED DOCUMENTS				
X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: non-essential background P: intermediate document I: theory or principle underlying the invention B: further 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				