



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	NORMAN J A ET AL: "Degradation of brain natriuretic peptide by neutral endopeptidase: species specific sites of proteolysis determined by mass spectrometry." BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS. 28 FEB 1991, vol. 175, no. 1, 28 February 1991 (1991-02-28), pages 22-30, XP001246990 ISSN: 0006-291X Methods * figure 3 *	1	INV. G01N33/53 C07K16/26 G01N33/68 G01N33/74
X	BIDZSERANOVA A ET AL: "Structure-activity studies on the effects of atrial natriuretic peptide, brain natriuretic peptide and their analogs on fear-motivated learning behavior in rats." NEUROPEPTIDES. OCT 1992, vol. 23, no. 2, October 1992 (1992-10), pages 61-65, XP002390351 ISSN: 0143-4179 Materials and Methods * figure 1 *	1	TECHNICAL FIELDS SEARCHED (IPC) G01N
X	US 6 117 644 A (DEBOLD ET AL) 12 September 2000 (2000-09-12) * column 9, line 18 - line 56 *	27	
X	US 5 786 163 A (HALL ET AL) 28 July 1998 (1998-07-28) * example 1 *	27	
X	US 6 124 430 A (MISCHAK ET AL) 26 September 2000 (2000-09-26) * column 2 - column 4 *	27	
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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>Munich</b>		Date of completion of the search <b>26 July 2006</b>	Examiner <b>Behrens, R</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	US 2002/055186 A1 (BARRY RICHARD ET AL) 9 May 2002 (2002-05-09) -----	2-26	
A	VENUGOPAL J: "Cardiac natriuretic peptides--hope or hype?" JOURNAL OF CLINICAL PHARMACY AND THERAPEUTICS. FEB 2001, vol. 26, no. 1, February 2001 (2001-02), pages 15-31, XP002390352 ISSN: 0269-4727 -----	1-29	
A	WO 02/23191 A (UNIVERSITY OF SYDNEY; CHRISTOPHERSON, RICHARD, IAN; DOS REMEDIOS, CRIS) 21 March 2002 (2002-03-21) -----	1-29	
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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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 04 75 0349

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.

26-07-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6117644	A	12-09-2000	NONE	
-----				
US 5786163	A	28-07-1998	AT 172989 T	15-11-1998
			AU 667223 B2	14-03-1996
			AU 4340593 A	30-12-1993
			CA 2136961 A1	09-12-1993
			DE 69321955 D1	10-12-1998
			DE 69321955 T2	10-06-1999
			DK 648228 T3	19-07-1999
			EP 0648228 A1	19-04-1995
			ES 2123056 T3	01-01-1999
			WO 9324531 A1	09-12-1993
			JP 3375630 B2	10-02-2003
			JP 7507210 T	10-08-1995
-----				
US 6124430	A	26-09-2000	AT 297950 T	15-07-2005
			AU 1981597 A	22-09-1997
			CA 2248140 A1	12-09-1997
			DE 69733560 D1	21-07-2005
			DE 69733560 T2	11-05-2006
			DK 0914344 T3	29-08-2005
			EP 0914344 A1	12-05-1999
			ES 2243979 T3	01-12-2005
			JP 2000507094 T	13-06-2000
			PT 914344 T	31-10-2005
			WO 9732900 A1	12-09-1997
			US 6162902 A	19-12-2000
			ZA 9701864 A	18-12-1997
-----				
US 2002055186	A1	09-05-2002	NONE	
-----				
WO 0223191	A	21-03-2002	US 2005095591 A1	05-05-2005
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专利名称(译)	与利钠肽相关的多肽及其鉴定和使用方法		
公开(公告)号	<a href="#">EP1616181A4</a>	公开(公告)日	2006-09-06
申请号	EP2004750349	申请日	2004-04-19
[标]申请(专利权)人(译)	赛弗根生物系统股份有限公司		
申请(专利权)人(译)	赛弗吉生物系统INC. BIOSITE INCORPORATED		
当前申请(专利权)人(译)	赛弗吉生物系统INC. BIOSITE INCORPORATED		
[标]发明人	BUECHLER KENNETH F FUNG ERIC THOMAS YIP TAI TUNG		
发明人	BUECHLER, KENNETH, F. FUNG, ERIC, THOMAS YIP, TAI-TUNG		
IPC分类号	G01N33/53 C07K14/58 C07K G01N33/74		
CPC分类号	G01N33/74 G01N2500/04		
优先权	10/419059 2003-04-17 US 60/466358 2003-04-28 US		
其他公开文献	EP1616181A2 EP1616181B1		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

本发明涉及与针对所需目的多肽的抗体结合的多肽的鉴定和用途。使用利尿钠肽及其前体，特别是BNP，作为实例，本发明描述了在生物样品中产生的许多利尿钠肽片段，最优选血液衍生的样品，其结合针对BNP的抗体。因为这种片段的产生是一个持续的过程，尤其可能是触发利尿钠肽释放到组织中的事件发生与获得或分析样品的时间之间经过的时间的函数；样品采集与样品分析时间之间的经过时间；有争议的组织样本的类型；储存条件；存在的蛋白水解酶的量；如此，当设计一种或多种利尿钠肽的测定时，以及当进行这种测定时，可以使用这样的片段，以便提供准确的预后或诊断结果。

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Place of search: Munich		Date of completion of the search: 26 July 2006	Searcher: Behrens, R
CATEGORY OF CITED DOCUMENTS		I. Theory or principle underlying the invention	
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C: intermediate documents			