



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	WO 00/28071 A (GENZYME CORP [US]) 18 May 2000 (2000-05-18) * the whole document *	1-119	INV. C12Q1/32
X	----- US 6 066 467 A (XU MINGXU [US] ET AL) 23 May 2000 (2000-05-23) * the whole document *	1-119	
X	----- US 6 174 696 B1 (SEMAN LEO [US]) 16 January 2001 (2001-01-16) * the whole document *	1-119	
A	----- LIEDTKE R J ET AL: "HOMOGENEOUS ENZYMIC METHOD FOR HOMOCYSTEINE ANALYSIS ON CLINICAL CHEMISTRY ANALYZERS" CLINICAL CHEMISTRY, AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY, WASHINGTON, DC, US, vol. 47, no. 6, SUPPL, June 2001 (2001-06), page A202, XP009025759 ISSN: 0009-9147 * the whole document *	1-119	
			TECHNICAL FIELDS SEARCHED (IPC)
			C12Q
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 Munich		Date of completion of the search 28 November 2006	Examiner BROCHADO GARGANTA, M
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	

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

EP 02 78 9500

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
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28-11-2006

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专利名称(译)	同型半胱氨酸和胱硫醚的酶促循环测定		
公开(公告)号	EP1470242A4	公开(公告)日	2007-01-03
申请号	EP2002789500	申请日	2002-11-06
[标]申请(专利权)人(译)	抓住		
申请(专利权)人(译)	抓, INC.		
当前申请(专利权)人(译)	抓, INC.		
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IPC分类号	C12Q1/00 C12Q1/32 C12N9/00 C12N15/52 C12Q1/26 C12Q1/527 G01N33/53 G01N33/68		
CPC分类号	C12Q1/26 C12Q1/32 C12Q1/527 G01N33/6815 Y10S435/968 Y10S435/975		
代理机构(译)	UEXKÜLL & STOLBERG		
优先权	10/012762 2001-11-06 US		
其他公开文献	EP1470242A2 EP1470242B1		
外部链接	Espacenet		

摘要(译)

本发明提供酶循环测定法, 用于评估溶液(例如血液, 血液衍生物或尿液)中高半胱氨酸和/或胱硫醚的量。该试验包括以下步骤: 使含有高半胱氨酸和/或胱硫醚的溶液与CBS或其衍生物, L-丝氨酸和CBL或其衍生物接触形成反应混合物一段足以催化周期性的时间。同型半胱氨酸转化为胱硫醚和胱硫醚转化为高半胱氨酸与丙酮酸和氨的生成;测定反应混合物中存在的高半胱氨酸和/或氨的量;基于形成的丙酮酸和/或氨的量确定溶液中存在的高半胱氨酸和/或胱硫醚的量。还提供了CBS或其衍生物和CBL或其衍生物的表达载体和分离方法, 以及用于进行测定的测试试剂盒。在优选的实施方案中, 测定可以在15分钟或更短的时间内进行, 酶使用最少。

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