



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	HIRSH D C ET AL: "RAPID DETECTION OF SALMONELLA SPP. BY USING FELIX-01 BACTERIOPHAGE AND HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY" APPLIED AND ENVIRONMENTAL MICROBIOLOGY, WASHINGTON,DC, US, vol. 45, no. 1, January 1983 (1983-01), pages 260-264, XP009033075 ISSN: 0099-2240 * the whole document *	1-45	C12Q1/04
X	PUGH S J ET AL: "A COMPLETE PROTOCOL USING CONDUCTANCE FOR RAPID DETECTION OF SALMONELLAS IN CONFECTIONERY MATERIALS" LETTERS IN APPLIED MICROBIOLOGY, vol. 7, no. 2, 1988, pages 23-28, XP009064357 ISSN: 0266-8254 * the whole document *	1-45	
P,X	MADONNA A J ET AL: "DETECTION OF ESCHERICHIA COLI USING IMMUNOMAGNETIC SEPARATION AND BACTERIOPHAGE AMPLIFICATION COUPLED WITH MATRIX-ASSISTED LASER DESORPTION/IONIZATION TIME-OF-FLIGHT MASS SPECTROMETRY" RAPID COMMUNICATIONS IN MASS SPECTROMETRY, HEYDEN, LONDON, GB, vol. 17, no. 3, 2003, pages 257-263, XP009042142 ISSN: 0951-4198 * the whole document *	1-45	
			TECHNICAL FIELDS SEARCHED (IPC)
			C12Q G01N
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 29 March 2006	Examiner Pellegrini, P
<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 & : member of the same patent family, corresponding document</p>			

专利名称(译)	检测使用噬菌体感染靶细菌细胞的低浓度靶细菌的方法		
公开(公告)号	EP1540018A4	公开(公告)日	2006-05-24
申请号	EP2003726259	申请日	2003-04-10
申请(专利权)人(译)	科罗拉多矿业学院		
当前申请(专利权)人(译)	科罗拉多矿业学院		
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IPC分类号	C12Q1/04 G01N27/62 C12Q1/70 G01N21/27 G01N30/88 G01N33/53 G01N33/543 G01N33/569 C12Q1/02 C12Q1/06 C12Q1/18		
CPC分类号	C12Q1/04 G01N33/54326 G01N33/56911		
优先权	60/319184 2002-04-12 US		
其他公开文献	EP1540018A2 EP1540018B1		
外部链接	Espacenet		

摘要(译)

本发明涉及一种用于检测液体溶液中低浓度细菌的方法，该方法可以是或不是复杂的液体溶液。在一个实施方案中，免疫磁性分离 (IMS) 用于将可能在液体混合物中的靶细菌与混合物中的其他成分分离。随后使用针对靶细菌的低浓度噬菌体来感染使用IMS技术捕获的靶细菌细胞。如果存在至少一定浓度的靶细菌，则噬菌体将繁殖至可检测的点。然后使用基质辅助激光解吸电离/飞行时间质谱 (MALDI / TOF-MS) 产生质谱，分析该质谱以确定是否存在与噬菌体相关的一种或多种蛋白质，从而间接表明目标细菌存在于液体混合物中。

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Searcher	Date of completion of the search	Classifier
Munich	29 March 2006	Pellegrini, P
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