

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

EP 00 94 7480

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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SUPPLEMENTARY
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Category	Citation of document with indication, where appropriate, of relevant passages		
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CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone	T : theory or principle underlying the invention		
Y : particularly relevant if combined with another document of the same category	E : earlier patent document, but published on, or after the filing date		
A : technological background	D : document cited in the application		
O : non-written disclosure	L : document cited for other reasons		
P : intermediate document	& : member of the same patent family, corresponding document		

专利名称(译)	空间编码的分析物检测		
公开(公告)号	EP1196636A4	公开(公告)日	2004-12-15
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[标]申请(专利权)人(译)	加利福尼亚大学董事会		
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当前申请(专利权)人(译)	加利福尼亚大学董事会		
[标]发明人	KUHR WERNER G		
发明人	KUHR, WERNER, G.		
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优先权	09/358204 1999-07-21 US		
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摘要(译)

描述了流通微通道 (例如毛细管) 生物传感器 , 用于通过将样品与“互补”结合配偶体 (例如互补核酸) 结合来检测样品中的多种不同分析物 (例如核酸 , 蛋白质 , 糖等) 鞣标。 , 配体 , 抗体等) 。结合配偶体固定在微通道的不同部分 (例如熔融石英毛细管) 中。在制造生物传感器之后 , 将样品冲洗通过毛细管 , 并且样品中包含的任何目标分析物与微通道壁上的固定的结合配偶体结合 , 形成结合的复合物。最后 , 沿毛细管的整个长度同时使结合的复合物变性 , 并冲洗通过下游的检测器 , 并测量分析物浓度 (例如 , 使用正弦伏安法) 。通过在铜电极处氧化其糖骨架和含有胺的核碱基来完成未衍生DNA的直接电化学检测。解吸的靶DNA的洗脱时间用于靶的序列鉴定。通过以这种方式使用单个生物传感器可以诊断多个遗传序列。由于杂交化学 , 传感器具有高度特异性 , 并且由于机电检测而非常敏感。

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