European Patent Office

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 01 91 6739

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WO 99/34727 A (SUTTER ERICH ERWIN) 15 July 1999 (1999-07-15) * page 1, line 9 - page 5, line 17 * * page 8, line 1 - page 14, line 26; figures 1-9 * -----	1,3,4,8, 12,20, 23,25, 28,29, 32,38-40	A61B3/00 A61B5/00 A61B5/0484

TECHNICAL FIELDS SEARCHED (Int.Cl.7)

A61B
G06F

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	Date of completion of the search	Examiner
Berlin	13 October 2004	Pohjamo, T

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 disolosure
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

EPO FORM 1503 03.82 (P04C04)

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 01 91 6739

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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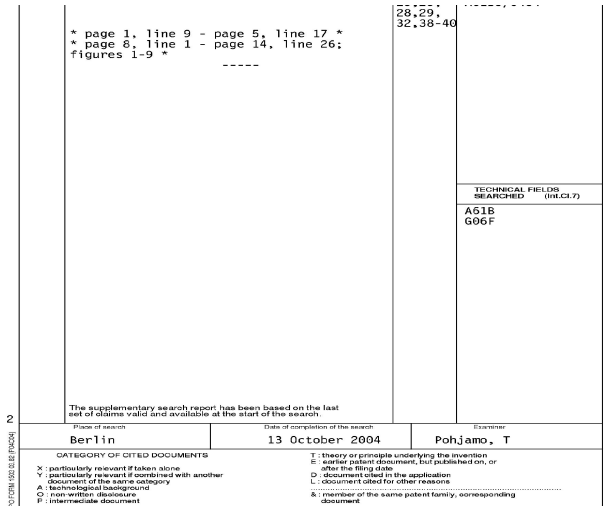
13-10-2004

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9934727 A	15-07-1999	US 6086206 A	11-07-2000
		EP 0973431 A1	26-01-2000
		WO 9934727 A1	15-07-1999

专利名称(译)	用于通过稀疏刺激评估神经功能的方法和设备		
公开(公告)号	EP1267703A4	公开(公告)日	2004-12-01
申请号	EP2001916739	申请日	2001-03-27
[标]申请(专利权)人(译)	澳洲国立大学		
申请(专利权)人(译)	澳大利亚国立大学		
当前申请(专利权)人(译)	澳大利亚国立大学		
[标]发明人	MADDESS TEDDY LEE JAMES ANDREW CHARLES		
发明人	MADDESS, TEDDY, LEE JAMES, ANDREW, CHARLES		
IPC分类号	A61B3/10 A61B5/04 A61B5/0484 A61B3/00 A61B5/00		
CPC分类号	A61B5/04842 A61B5/4064		
代理机构(译)	MASCHIO，ANTONIO		
优先权	2000PQ6465 2000-03-27 AU		
其他公开文献	EP1267703B1 EP1267703A1		
外部链接	Espacenet		

摘要(译)

本发明涉及一种通过向感觉神经系统的一个或多个部分提供稀疏刺激来同时评估神经系统组成部分的功能状态的方法和设备。 稀疏刺激由相对于基准零刺激条件呈现的刺激条件的时间序列组成，其中非零刺激条件或条件相对不频繁地呈现。 在稀疏刺激序列中遇到与基线或无效刺激条件不同的刺激的可能性很小，从而确保了神经系统内的增益控制机制将增加神经反应的幅度，并对具有这种增益控制的那些神经元群体偏向于所测得的反应。 因此，与非稀疏刺激相比，增加的响应幅度可确保更可靠地记录响应。


* page 1, line 9 - page 5, line 17 *
* page 8, line 1 - page 14, line 26;
figures 1-9 *

28,29,
32,38-40
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