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(54) **Reducing noise in a technique for diagnosing attention deficit hyperactivity disorder**

(57) A method of determining whether an individual has Attention Deficit Hyperactivity Disorder (ADHD) comprising: sampling the peripheral skin temperature of a human subject during a predetermined time interval when the subject is in an inactive state to provide a sampled peripheral skin temperature signal containing noise: modulating said sampled peripheral skin temper-

ature signal containing noise with a known reference signal to produce a modulated signal; inputting said modulated signal and said known reference signal to a lock-in amplifier to produce a sampled peripheral skin temperature signal free of said noise; and analyzing the sampled peripheral skin temperature signal for a pre-selected parameter to determine whether said predetermined parameter has a value indicative of ADHD.

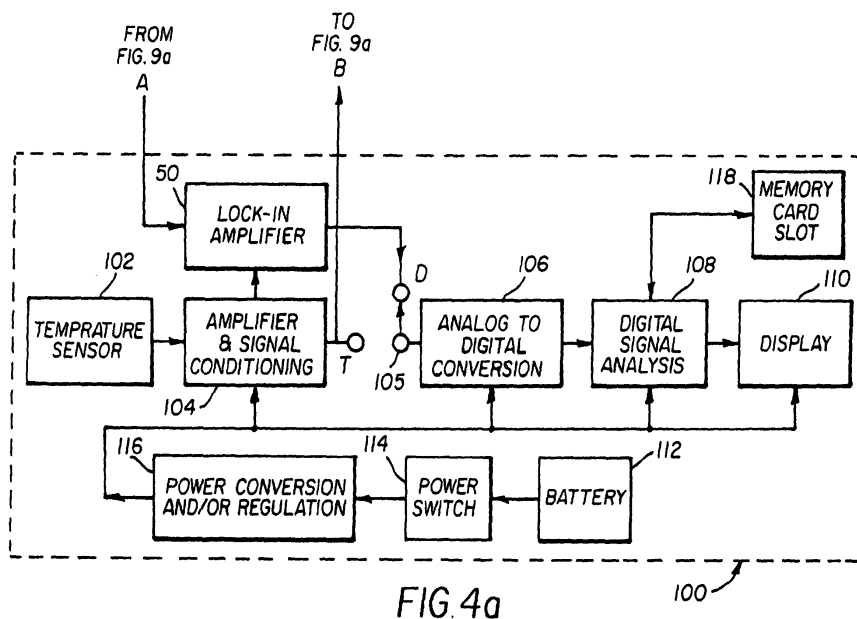


FIG. 4a

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which under Rule 45 of the European Patent Convention EP 01 20 4771 shall be considered, for the purposes of subsequent proceedings, as the European search report

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)
A	DONOVAN A M; HALPERIN J M; NEWCORN J H; SHARMA V: "Thermal response to serotonergic challenge and aggression in attention deficit hyperactivity disorder children" JOURNAL OF CHILD AND ADOLESCENT PSYCHOPHARMACOLOGY, vol. 9, no. 2, 1999, pages 85-91, XP008019629 * abstract *		A61B5/16 G06F19/00
A	US 5 771 261 A (ANBAR MICHAEL) 23 June 1998 (1998-06-23) * abstract *		
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A61B G06F
INCOMPLETE SEARCH			
The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for these claims. Claims searched completely : Claims searched incompletely : 1-3 Claims not searched : Reason for the limitation of the search: Article 52 (4) EPC - Diagnostic method practised on the human or animal body; corresponding apparatus features of claims 1-3 were searched			
Place of search		Date of completion of the search	Examiner
BERLIN		29 September 2003	Clevorn, J
CATEGORY OF CITED DOCUMENTS		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	
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			

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专利名称(译)	减少用于诊断注意力缺陷多动障碍的技术中的噪音		
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摘要(译)

一种确定个体是否具有注意力缺陷多动障碍 (ADHD) 的方法，包括：在受试者处于非活动状态的预定时间间隔期间对人受试者的外周皮肤温度进行采样，以提供包含噪声的采样的外周皮肤温度信号；利用已知的参考信号调制包含噪声的所述采样的外围皮肤温度信号，以产生调制信号；将所述调制信号和所述已知参考信号输入到锁定放大器，以产生没有所述噪声的采样外围皮肤温度信号；分析采样的外周皮肤温度信号以获得预选参数，以确定所述预定参数是否具有指示ADHD的值。

