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(54) **Automated collection and analysis patient care system and method for diagnosing and monitoring the outcomes of atrial fibrillation**

(57) An automated system and method for diagnosing and monitoring the outcomes of atrial fibrillation is described. A plurality of monitoring sets is retrieved from a database. Each of the monitoring sets include recorded measures relating to patient information recorded on a substantially continuous basis. A patient status change is determined in response to an atrial fibrillation diagnosis by comparing at least one recorded measure

from each of the monitoring sets to at least one other recorded measure. Both recorded measures relate to the same type of patient information. Each patient status change is tested against an indicator threshold corresponding to the same type of patient information as the recorded measures which were compared. The indicator threshold corresponds to a quantifiable physiological measure of a pathophysiology resulting from atrial fibrillation.

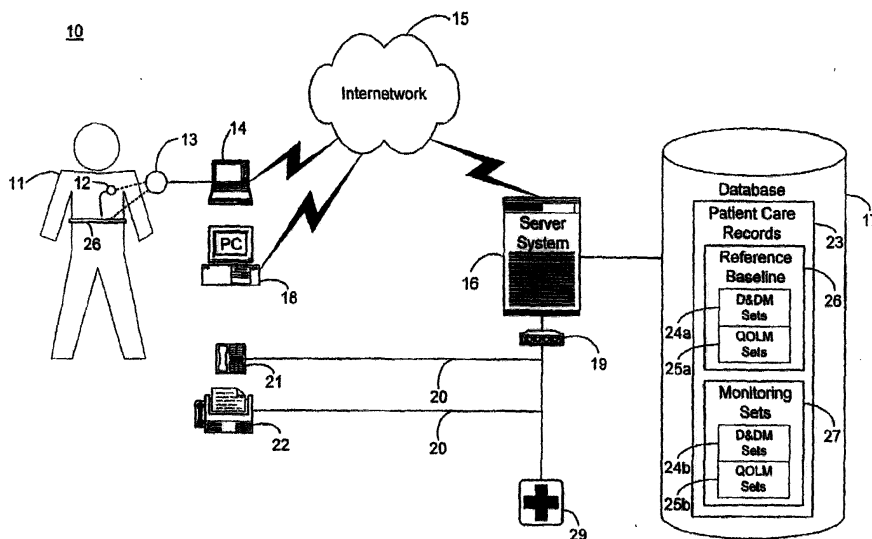


FIGURE 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 65 0197

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)
Y	US 5 331 549 A (CRAWFORD JR JOHN M) 19 July 1994 (1994-07-19) * abstract * * column 2, line 31 - column 3, line 7 * * column 3, line 32 - column 9, line 26; figures 1-7 *	1,12, 25-27	G06F19/00
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A	US 5 544 661 A (DAVIS ET AL) 13 August 1996 (1996-08-13) * column 1, line 13 - column 2, line 15 * * column 2, line 55 - column 8, line 67; figures 1-15 *	1,12, 25-27	
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G06F A61N
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	28 March 2002	Schenkels, P	
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	
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		& : member of the same patent family, corresponding document	

EPO FORM 1503 03.82 (F04001)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 00 65 0197

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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28-03-2002

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专利名称(译)	自动收集和分析患者护理系统和方法，用于诊断和监测心房颤动的结果		
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CPC分类号	A61B5/0002 A61B5/0031 A61B5/0205 A61B5/02055 A61B5/024 A61B5/0402 A61B5/0452 A61B5/076 A61B5/0816 A61B5/11 A61B5/1112 A61B5/145 A61B5/14532 A61B5/14546 A61B2505/03 A61B2560/0242 G06F19/324 G06F19/325 G06F19/3418 G16H10/60 G16H15/00 G16H40/67 G16H50/30 Y10S128/923 A61B5/0004 A61B5/0006 A61B5/0245 A61B5/04012 A61B5/486 A61B5/686 A61B5/7275 A61B5/7278 A61B5/7282		
优先权	09/441623 1999-11-16 US		
其他公开文献	EP1102199A2		
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摘要(译)

描述了用于诊断和监测心房颤动结果的自动系统和方法。从数据库检索多个监视集。每个监测组包括与基本连续记录的患者信息有关的记录测量。通过将来自每个监测组的至少一个记录的测量值与至少一个其他记录的测量值进行比较来确定响应于心房颤动诊断的患者状态变化。两种记录的测量都与相同类型的患者信息有关。针对与所比较的记录测量的相同类型的患者信息对应的指标阈值来测试每个患者状态变化。指标阈值对应于由心房颤动引起的病理生理学的可量化的生理测量。

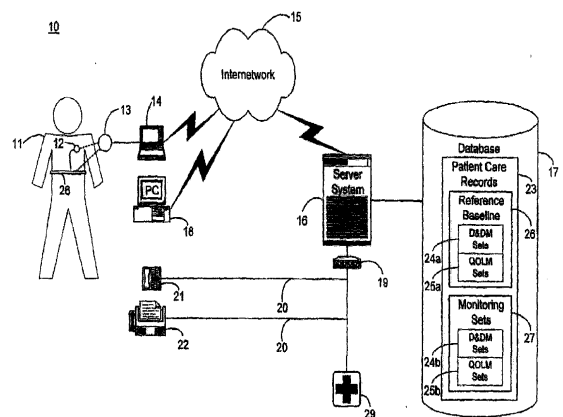


FIGURE 1