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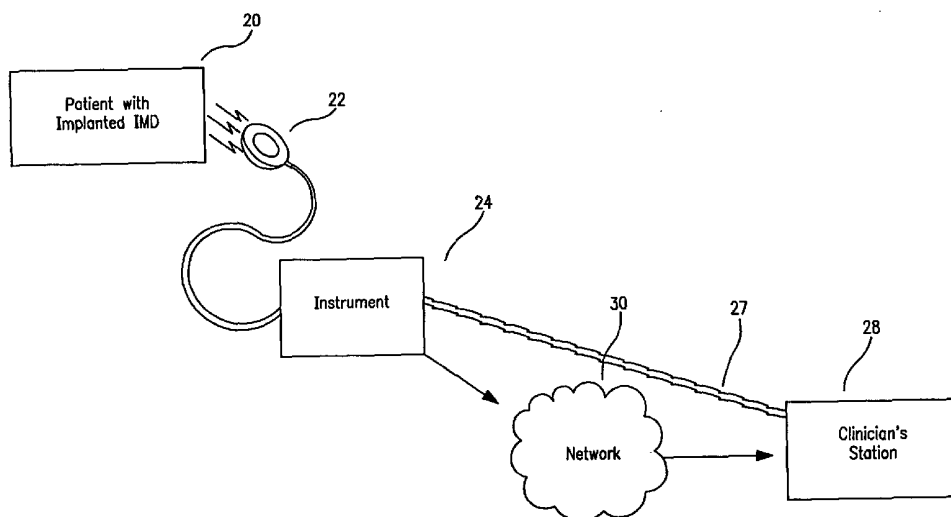
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- (74) Agents: WOLDE-MICHAEL, Girma et al.; Medtronic, Inc. LC340, 710 Medtronic Parkway, Minneapolis, MN 55432 (US).
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HEART FAILURE MONITOR QUICK LOOK SUMMARY FOR PATIENT MANAGEMENT SYSTEMS



(57) Abstract: Continuous remote monitoring of patients based on data obtained from an implantable hemodynamic monitor provides an interactive patient management system. Using network systems, patients are remotely monitored to continuously diagnose and treat heart-failure conditions. A screen displayable summary provides continuous feedback and information to physicians, patients and authorized third parties. The quick look summary includes various sites and presentation tailored to match the patients' and physicians' needs. The quick look summary further includes intelligent features that understand and retain the user's interests, preferences and use patterns. Patients, physicians and other caregivers are seamlessly connected to monitor and serve the chronic needs of heart-failure patients in a reliable and economic manner.



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INTERNATIONAL SEARCH REPORT

national Application No
PCT/US 01/08570A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61B5/00 G06F19/00 A61B5/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 41682 A (JOHNSON DAVID WAYNE ;SOUTHERN RES INST (US); DEAN ALAN HOYT (US);) 19 August 1999 (1999-08-19) page 5, line 5-7,29-31; figures 1-3 abstract page 7, line 1-5	1-7
X	EP 0 796 589 A (SIEMENS MEDICAL SYSTEMS INC) 24 September 1997 (1997-09-24) column 1, line 15,16 column 3, line 29-55 column 5, line 24-28; figures 1,2	1-7

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

2 May 2002

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Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 01/08570

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

As a result of the prior review under R. 40.2(e) PCT,
no additional fees are to be refunded.

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-8

Networked implantable hemodynamic monitoring system

2. Claims: 9-13

Heart failure monitor systems including several portals and encryption means

3. Claims: 14-22

Computer-implemented software system operating a quick look summary and having means to identify and display normal and abnormal data.

INTERNATIONAL SEARCH REPORT

national Application No
PCT/US 01/08570

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99 59460 A (BIOSYS AB PUBL) 25 November 1999 (1999-11-25) abstract page 6, line 6-14 page 5, line 30-36 page 2, line 34 -page 3, line 7 page 4, line 36 -page 5, line 1 -----	1-7
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INTERNATIONAL SEARCH REPORT

Information on patent family members

national Application No

PCT/US 01/08570

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