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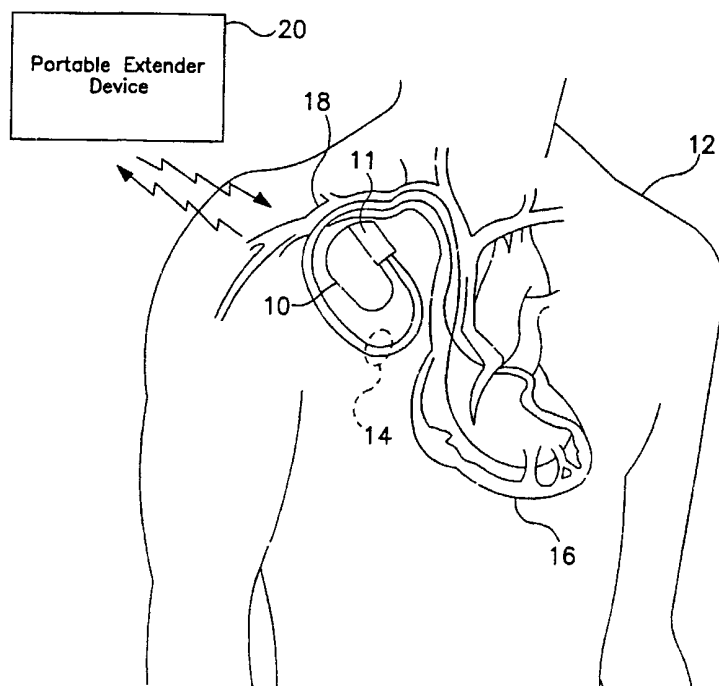
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- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: PORTABLE EXTENDER FOR DATA TRANSMISSION WITHIN A MEDICAL DEVICE COMMUNICATION SYSTEM



(57) Abstract: Apparatus and method for managing chronic home care of patients with one or more implanted medical devices (IMDs) includes a mobile portable device for use by a visiting nurse. Specifically, the portable device integrates various systems to enable the nurse to schedule her day and get directions to a first and subsequent visit destination via a GPS system or equivalent. The portable device includes an identification system including a security protocol to identify the nurse/home health care provider. Additionally, the portable device incorporates a communication system such as a cellular phone that would enable the nurse to connect to other clinical support personnel such as a doctor or a specialist. The portable device further includes a wireless communication system that enables communication between the portable device and one or more IMDs in a patient. Upon arrival at the patient's home, the nurse may download data from the one or more IMDs directly into

the portable device. This data could in turn be downloaded immediately or later to a remote viewing center via conventional data transmission systems. Other medical data such as blood pressure measurements and vital physiologic signals may be entered into the portable device using a digitizer pen, voice input or equivalent. Similar to the IMD data, this medical data could be transmitted to the remote location from the portable device.



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INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61N1/372

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 A61N A61B

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.
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Y	US 5 553 609 A (CHEN YAOBIN ET AL) 10 September 1996 (1996-09-10) cited in the application the whole document ---	1-3,10
Y	US 5 752 976 A (DUFFIN EDWIN G ET AL) 19 May 1998 (1998-05-19) the whole document ---	7,9
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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