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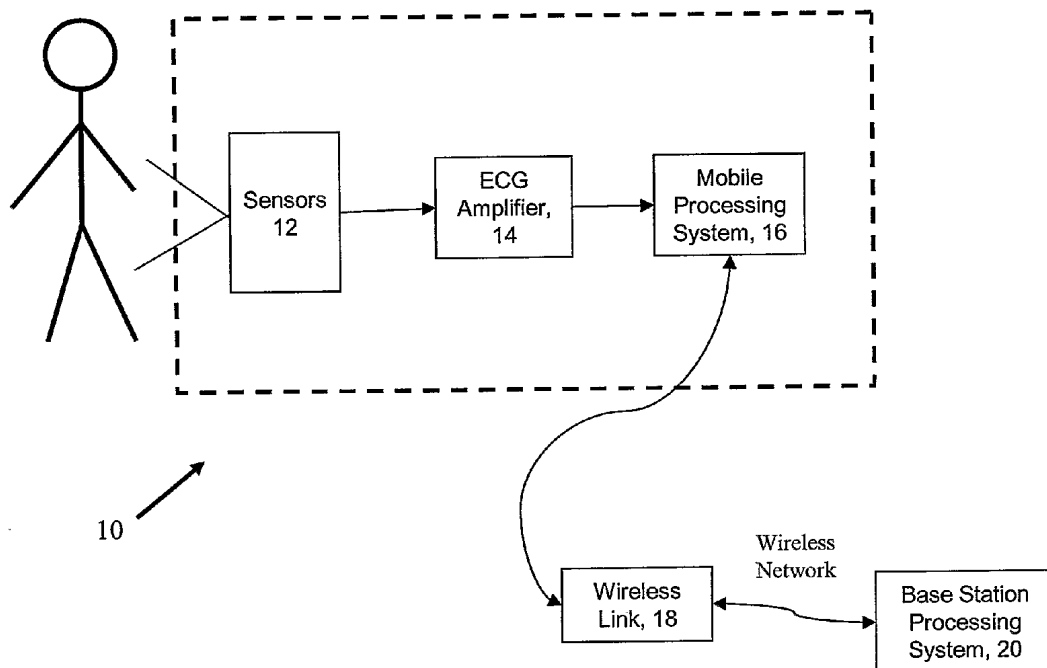
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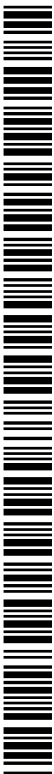
— with international search report

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30 April 2009

(54) Title: ATRIAL FIBRILLATION DETECTION



(57) Abstract: Atrial fibrillation is detected in an electrical signal representative of a beating heart by measuring atrial activity over a time window of three or more beats, measuring beat interval variation over the time window and combining the measures of atrial activity and beat interval variation to produce an indication of an atrial fibrillation condition in the electrical signal



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/07266

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **A61B 5/04** (2006.01)

USPC: 600/518

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)
U.S. : 600/518, 515-516

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,490,479 (BOCK) 3 December 2002 (03.12.2002) column 3-5, 10-11	1-2, 14-15, 24-26, 34-37, 45 ----- 3-12, 23, 27-30, 38-41
Y	US 6,597,943 B2 (TAHA et al.) 22 July 2003 (22.07.2003) Figure 8, column 3-4.	6,8-12,28-30,39-41
Y, E	US 7,194,300 B2 (KORZINOV) 20 March 2007 (20.03.2007), entire document.	13, 16-22, 31-33, 42-44

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See patent family annex.

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