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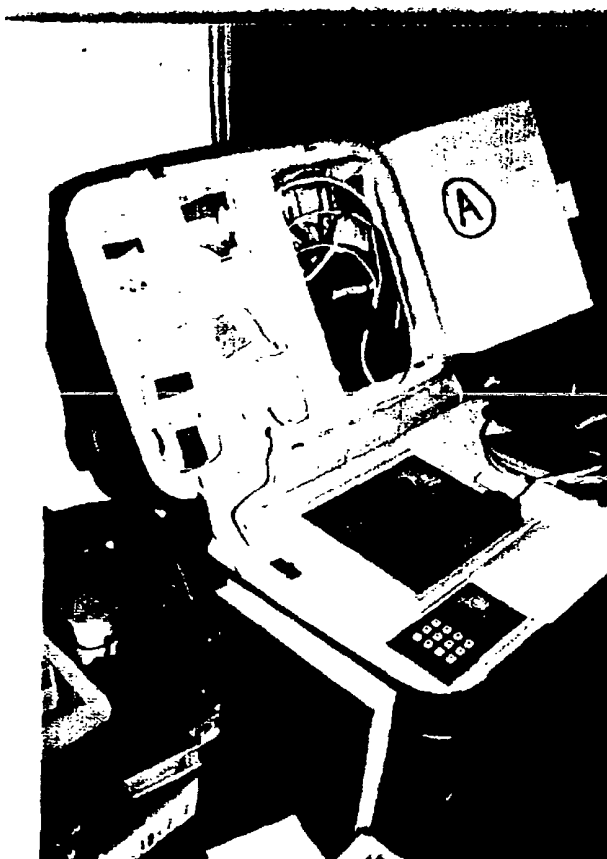
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[Continued on next page]

(54) **Title: LIFE SAVING CASE FOR REMOTE DIAGNOSIS AND TREATMENT**



(57) **Abstract:** The prior state of the art allowed the transfer of only one parameter data from a single instrument to a proper unifunctional center. The special innovation of the life saving case consists of the simultaneous transmission to a polyfunctional center of a plurality of data detected through different instruments partially available and partially designed by the IRAT group, through modem, telephone line, radiofrequency, satellite GSM. The core of the system is the Home Care peripheral unit comprising an electronic card with microprocessor and a special adapter for connection to electromedical instruments of both digital and analog type, whose data reach the Home Center unit provided with a special software. The unit is assembled in an ergonomic case, Home Care for home assistance and Travel care either for travelling users or protected and/or difficult areas.

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INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61B5/00

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

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 44494 A (CARD GUARD SCIENTIFIC SURVIVAL LTD.) 10 September 1999 (1999-09-10) abstract page 7, line 1 -page 10, line 32 page 11, line 27 -page 13, line 18; figures 1,2,5-7	1,2,4,5, 7,8
X	US 5 558 638 A (EVERS ET AL.) 24 September 1996 (1996-09-24) abstract column 4, line 8 -column 6, line 40 column 7, line 7 -column 8, line 54 column 16, line 13 -column 17, line 5; figures 1-4,15	1,2,4,5, 7-9

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☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 919 141 A (MONEY ET AL.) 6 July 1999 (1999-07-06) abstract column 5, line 4 -column 6, line 37; figures 1,10 ----	1,2,5,7, 8
A	US 5 544 649 A (DAVID ET AL.) 13 August 1996 (1996-08-13) abstract column 9, line 42 -column 11, line 35 column 13, line 35-64; figures 2,5 ----	1,3,5,9
A	US 5 544 661 A (DAVIS ET AL.) 13 August 1996 (1996-08-13) abstract column 2, line 57 -column 4, line 21; figures 1-4 -----	1,2,6,7

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9944494	A	10-09-1999	AU 2638299 A	20-09-1999
			BR 9904898 A	04-07-2000
			EP 0980227 A1	23-02-2000
			WO 9944494 A1	10-09-1999
			JP 2001523150 T	20-11-2001
			NO 995381 A	03-01-2000
US 5558638	A	24-09-1996	AU 6779194 A	21-11-1994
			EP 0699046 A1	06-03-1996
			WO 9424929 A1	10-11-1994
US 5919141	A	06-07-1999	NONE	
US 5544649	A	13-08-1996	US 5441047 A	15-08-1995
			WO 9628086 A1	19-09-1996
			IL 109738 A	30-09-1997
US 5544661	A	13-08-1996	NONE	