

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
7 December 2000 (07.12.2000)

PCT

(10) International Publication Number  
WO 00/73927 A3

(51) International Patent Classification<sup>7</sup>: G06F 19/00

73013 (US). **FRANSEN, Stephen, E.** [CA/US]; 13920 Sterlington, Edmond, OK 73013 (US). **HOPPER, Gene, M., Soderstrom** [CA/US]; 1415 Canterbury Place, Oklahoma City, OK 73116 (US).

(21) International Application Number: PCT/US00/14368

(22) International Filing Date: 24 May 2000 (24.05.2000)

(25) Filing Language: English

(74) Agents: **BERG, Richard, P.** et al.; Ladas & Parry, Suite 2100, 5670 Wilshire Boulevard, Los Angeles, CA 90036-5679 (US).

(26) Publication Language: English

(30) Priority Data:  
09/322,372 28 May 1999 (28.05.1999) US

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(71) Applicant (*for all designated States except US*): **THE BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA** [US/US]; 1000 Asp Avenue, Norman, OK 73019 (US).

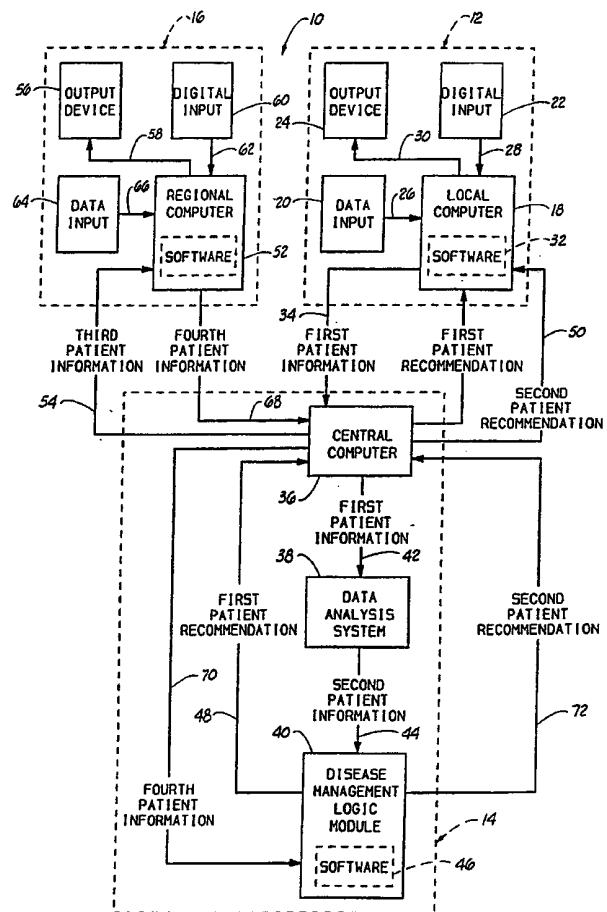
(72) Inventors; and

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European

(75) Inventors/Applicants (*for US only*): **HILDEBRAND, P., Lloyd** [CA/US]; 2309 Yorkshire Drive, Edmond, OK

[Continued on next page]

(54) Title: DIGITAL DISEASE MANAGEMENT SYSTEM



(57) Abstract: The present invention relates to a method for improving the delivery of health care for patients. A first data signal being multimedia data which is indicative of a patient condition of a selected patient consisting of a non-human animal is input into a local computer. Clinical data, cost data and administrative data relating to the health of the selected patient is also input into the local computer. The first data signal is combined with the clinical data, cost data and administrative data to form a first patient information signal which is transmitted to a central computer. A predetermined disease stage is then assigned to the selected patient based on the first data signal. The disease stage is combined with the first patient information signal to form a second patient information signal.



WO 00/73927 A3



patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

**(88) Date of publication of the international search report:**  
26 July 2001

**Published:**

— with international search report

*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.*

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/14368

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G06F19/00

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 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, WPI Data, PAJ, IBM-TDB, INSPEC, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 619 991 A (SLOANE NEIL J A) 15 April 1997 (1997-04-15)	1-3,5-8, 10,11, 17, 22-24,26
A	column 2, line 60 -column 12, line 15; figures 1-7	16,27
A	US 5 513 101 A (PINSKY ET AL) 30 April 1996 (1996-04-30)  column 1, line 9 -column 16, line 35; figures 1-3	1,6,11, 16,17, 22,27

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

9 February 2001

Date of mailing of the international search report

16/02/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Schenkels, P

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/14368

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 5 216 596 A (WEINSTEIN RONALD S) 1 June 1993 (1993-06-01)  column 1, line 8 -column 3, line 30 column 4, line 7 -column 6, line 37; figures 1,2  ---	1,6,11, 16,17, 22,27
E	US 5 940 802 A (HILDEBRAND ET AL) 17 August 1999 (1999-08-17) the whole document  ---	1-31
A	US 5 803 906 A (PRATT ET AL) 8 September 1998 (1998-09-08)  abstract  -----	1,6,11, 16,17, 22,27

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/14368

Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
US 5619991	A	15-04-1997	NONE	
<hr style="border-top: 1px dashed black;"/>				
US 5513101	A	30-04-1996	US 5469353 A	21-11-1995
			US 5655084 A	05-08-1997
			AU 687490 B	26-02-1998
			AU 1259095 A	13-06-1995
			CA 2177379 A	01-06-1995
			EP 0730768 A	11-09-1996
			WO 9514977 A	01-06-1995
<hr style="border-top: 1px dashed black;"/>				
US 5216596	A	01-06-1993	AU 5435790 A	16-11-1990
			WO 9012627 A	01-11-1990
			US 5297034 A	22-03-1994
			EP 0293083 A	30-11-1988
			JP 1020449 A	24-01-1989
<hr style="border-top: 1px dashed black;"/>				
US 5940802	A	17-08-1999	NONE	
<hr style="border-top: 1px dashed black;"/>				
US 5803906	A	08-09-1998	US 5315505 A	24-05-1994
			US 5008821 A	16-04-1991
<hr style="border-top: 1px dashed black;"/>				