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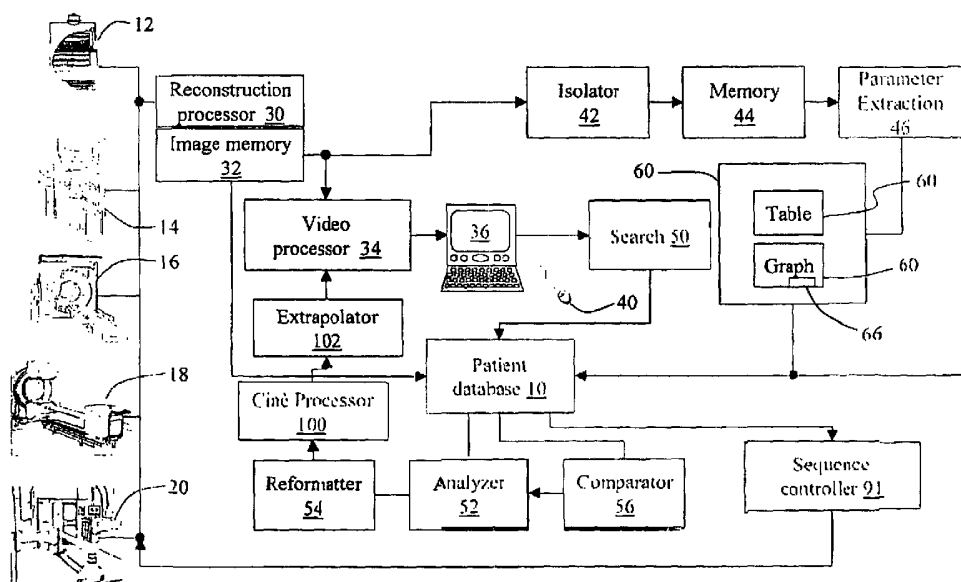
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[Continued on next page]

(54) Title: REPEATED EXAMINATION REPORTING



(57) Abstract: A plurality of diagnostic images of a region of interest of a subject are generated and stored in a patient database (10). In one of the images, a region of interest, such as a tumor, is identified. The database is searched for the other images of the same region of interest. Parameter values indicative of characteristics of the tumor are extracted from each image and displayed in tabular or graphic format by time. The images are reformatted, scaled, and displayed in a cinè format to illustrate a temporal evolution of the tumor in the region of interest.

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**Declaration under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,

IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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INTERNATIONAL SEARCH REPORT

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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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 317 617 B1 (GILHUIJS KENNETH ET AL) 13 November 2001 (2001-11-13) abstract column 5, line 49 - column 6, line 19 column 8, line 42 - column 11, line 2 column 13, line 10 - column 14, line 50 claim 1 figures 1A-E, 4, 5, 6A-B, 8, 11, 13 -----	1-20
X	US 5 740 267 A (ECHERER ET AL) 14 April 1998 (1998-04-14) abstract column 5, line 12 - line 67 column 7, line 1 - column 10, line 64 column 17, line 17 - column 19, line 36 claim 1 figures 7-9 ----- -/--	1-20

Further documents are listed in the continuation of box C.

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.
X	WO 01/11548 A (WAKE FOREST UNIVERSITY; VINING, DAVID, J; AHN, DAVID, K; STELTS, DAVID) 15 February 2001 (2001-02-15) abstract page 3, line 16 - page 4, line 16 page 5, line 15 - page 8, line 21 page 11, line 21 - page 12, line 18 page 19, line 4 - page 20, line 16 figures 1-4	1-20
X	----- US 5 878 746 A (LEMELSON ET AL) 9 March 1999 (1999-03-09) abstract column 6, line 27 - column 8, line 24 claims 1,3,6 figures 3,4	1-20
A	----- US 5 581 460 A (KOTAKE ET AL) 3 December 1996 (1996-12-03) abstract column 2, line 29 - line 47 column 3, line 49 - line 67 claim 1 figures 1,2 -----	1-20

INTERNATIONAL SEARCH REPORT

PCT/IB2004/051665

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6317617	B1	13-11-2001	AU 8507898 A WO 9904690 A1	16-02-1999 04-02-1999
US 5740267	A	14-04-1998	US 5384862 A US 5272760 A AU 4525493 A WO 9324899 A1	24-01-1995 21-12-1993 30-12-1993 09-12-1993
WO 0111548	A	15-02-2001	AU 777440 B2 AU 6900000 A BR 0013268 A CA 2381653 A1 CN 1378677 A EP 1210684 A1 JP 2003506797 T WO 0111548 A1 US 6819785 B1 US 2005135662 A1 US 2005147284 A1 US 2002131625 A1	14-10-2004 05-03-2001 02-07-2002 15-02-2001 06-11-2002 05-06-2002 18-02-2003 15-02-2001 16-11-2004 23-06-2005 07-07-2005 19-09-2002
US 5878746	A	09-03-1999	NONE	
US 5581460	A	03-12-1996	JP 4171581 A JP 4215738 A	18-06-1992 06-08-1992