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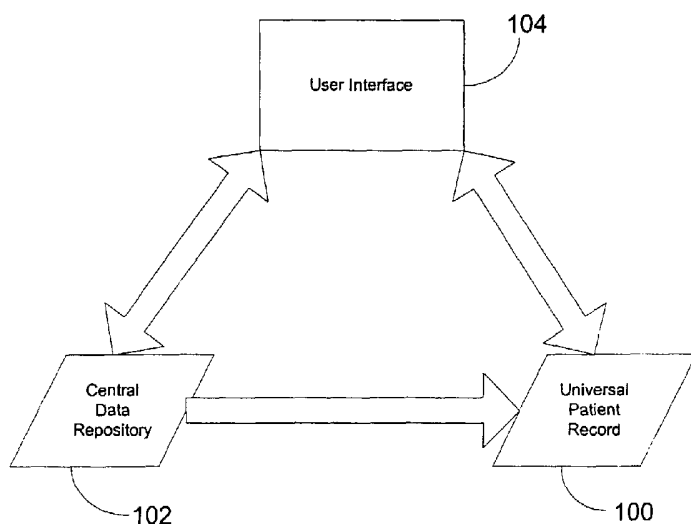
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(54) Title: SYSTEM AND METHOD FOR INTEGRATION OF HEALTH CARE RECORDS, AND FOR A SEAMLESS USER INTERFACE, FOR AN INTEGRATED ELECTRONIC HEALTH CARE INFORMATION SYSTEM



(57) Abstract: In accordance with one aspect of the invention, a patient-centered integrated health care record is provided including information related to health care delivery for a patient, and information related to health care delivery management for the patient. The integrated health care record may be used with a health care system to facilitate management of and to provide health care for patients. The health care delivery information and the health care delivery management information for patients may be stored within the UPR as patient records, with one patient record per patient. The information may be stored as formatted data, links to formatted data, or as selections from a list. In one embodiment, audit functionality is provided, where contact with data records is recorded as an audit trail. In another embodiment, security functionality is provided, controlling access to the integrated health care record. In

another embodiment, a lock manager is provided, controlling write access to the integrated health care record. In accordance with another aspect of the invention, an electronic health care system includes a modular framework and a display in communication with the modular framework for providing a graphical user interface to a system user. The modular framework includes a plurality of activities, each activity providing an aspect of patient care, where the framework is adaptable for accepting additional activities forming a single integrated system. The graphical user interface is adaptable for displaying information corresponding to one or more of the activities, and includes a common menu format for communicating available operations in the graphical user interface, and common visual components for displaying information to a system user.

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European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR,
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(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG).

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.

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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, INSPEC, IBM-TDB		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 772 585 A (LAVIN MARIANNE ET AL) 30 June 1998 (1998-06-30) abstract column 1, line 16 - column 4, line 32 column 5, lines 36-55 column 9, lines 2-4 column 11, line 61 - column 12, line 25 figures 2,4-17,19,20 claims 1-9,17-19,29-48 ----- -/--	1-3,7, 9-19, 21-26, 31-39, 43-50, 55-62, 66-69, 87-99
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> 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	Date of mailing of the international search report	
11 July 2003	09 OCT 2003	
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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	Swarén, B.	

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 01/50037

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 00 65522 A (SOFTWARE PARTNERS) 2 November 2000 (2000-11-02)</p> <p>abstract page 4, line 22 - page 5, line 18 figures 2,3,8-10 claims 1,2,8-10,14</p>	<p>1-5,9, 10,12, 13,16, 21-25, 31-34, 43-49, 55-58, 66-69, 87-89, 91-94, 97-99</p>
X	<p>WO 99 22330 A (JOHNSON JANICE) 6 May 1999 (1999-05-06)</p> <p>page 2, line 33 - page 5, line 5 page 6, lines 21-25 page 7, lines 21-32 page 8, lines 19-31 page 9, lines 14-29 page 10, lines 10-12 page 11, lines 10-17 page 12, lines 25-27 page 13, lines 9-15,31,32 page 25, line 30 - page 26, line 4 page 28, lines 15-31 page 37, lines 20-30 figures 2-9 claims 1,3-6,10-14,22,23,25</p> <p style="text-align: center;">----- -/--</p>	<p>1-6, 9-16,18, 23-25, 31-34, 38-40, 44-49, 55-58, 61-64, 66-69</p>

INTERNATIONAL SEARCH REPORT

Internat	Application No
	PCT/US 01/50037

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 5 924 074 A (EVANS JAE A) 13 July 1999 (1999-07-13)</p> <p>abstract column 1, lines 5-9 column 2, line 22 - column 6, line 54 column 8, lines 19-60 column 11, lines 10-30 column 14, line 42 - column 15, line 32 figures 3-13,21,22 claims 1,5</p>	<p>1-5,7, 9-13,17, 18, 23-26, 31-36, 38,39, 41-50, 55-62, 64-69, 87-99, 101,102</p>
X	<p>-----</p> <p>MCDONALD C J ET AL: "The Regenstrief Medical Record System: a quarter century experience" INTERNATIONAL JOURNAL OF MEDICAL INFORMATICS, ELSEVIER SCIENTIFIC PUBLISHERS, SHANNON, IR, vol. 54, no. 3, June 1999 (1999-06), pages 225-253, XP004171407 ISSN: 1386-5056</p> <p>abstract page 226, right-hand column, paragraph 3 - page 228, left-hand column, paragraph 1 page 229, left-hand column, paragraph 2 - right-hand column, paragraph 1 page 230, right-hand column, paragraphs 2,3 page 231, left-hand column, paragraph 5 - right-hand column, paragraph 2 page 236, left-hand column, paragraph 2 - page 237, right-hand column, paragraph 1 page 244, right-hand column, paragraph 2 - page 250, right-hand column, paragraph 1 table 1 figures 1,2,5,16</p> <p>-----</p>	<p>1-6, 9-19, 22-25, 31-35, 38,39, 43-49, 55-58, 61,62, 66-69, 87-99, 101,102</p>

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 01/50037

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-69, 87-99, 101-103

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-69, 87-99, 101-103

Implementation details of a patient-centered integrated
healthcare record system

2. claims: 70-86, 100

Modular system framework adaptable for accepting additional
modules

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat	Application No
PCT/US 01/50037	

Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
US 5772585	A	30-06-1998	NONE	
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