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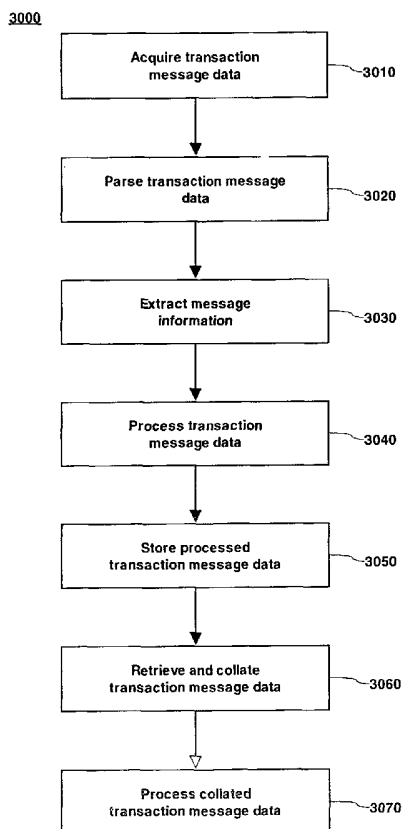
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- (21) International Application Number: PCT/US2003/006767 (74) Agents: **BURKE, Alexander J.** et al.; Siemens Corporation - Intellectual Property Dept., 186 Wood Ave. South, Iselin, NJ 08830 (US).
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- (26) Publication Language: English
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- (71) Applicant: **SIEMENS MEDICAL SOLUTIONS HEALTH SERVICES CORPORATION** [US/US]; 51 Valley Stream Parkway, Malvern, PA 19355 (US). (88) Date of publication of the international search report: 15 January 2004
- (72) Inventors: **HASKELL, Robert Emmons**; 1045 Lower Pine Creek Road, Chester Springs, PA 19425 (US). **HEIL, John Andrew**; 536 Clothier Springs Road, Malvern, PA 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.

(54) Title: SYSTEM AND METHOD FOR PROVIDING A GENERIC HEALTH CARE DATA REPOSITORY



(57) Abstract: A system for providing a generic healthcare data repository includes an input processor for acquiring healthcare transaction message data in at least one of a plurality of different data formats. A data processor extracts message content type and patient associated identifier information from the transaction message data, processes the transaction message data for storage in a structured repository in a location specified using the patient associated identifier information. A storage processor stores the processed transaction message data in the structured repository.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/06767

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F17/60 G06F19/00 G06F17/30

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	WO 96 41288 A (E SYSTEMS INC) 19 December 1996 (1996-12-19) page 4, line 2 -page 7, line 14 page 9, line 2 -page 31, line 8 ---	1-14
X	US 2001/027403 A1 (PETERSON ROBERT B ET AL) 4 October 2001 (2001-10-04) page 1, column 2, paragraph 7 -page 2, line 6 page 3, paragraph 24 -page 8, paragraph 63 ---	1, 13
A	WO 97 32271 A (GLAXO GROUP LTD ;GOLD JOHN F (US); GRAHAM MARC M (US); CLARK MELAN) 4 September 1997 (1997-09-04) abstract; figures 1-3 --- -/--	1-13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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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

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 03/06767

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 6 311 163 B1 (NITZBERG MARK J ET AL) 30 October 2001 (2001-10-30) column 3, line 15 -column 8, line 60; figures 1,2	1-13
A	--- LOVE B J: "UN EDIFACT - AN EDI STANDARD FOR HEALTH CARE" PROGRESS IN STANDARDIZATION IN HEALTH CARE INFORMATICS, IOS PRESS, AMSTERDAM, NL, 1 September 1992 (1992-09-01), pages 156-161, XP000561738 page 155-161	1-13
A	--- MOOR DE G J E ET AL: "TOWARDS A META-SYNTAX FOR MEDICAL EDI" INTERNATIONAL JOURNAL OF BIO-MEDICAL COMPUTING, ELSEVIER SCIENCE PUBLISHERS, SHANNON, IE, vol. 34, no. 1/4, 1994, pages 319-330, XP000417175 ISSN: 0020-7101 page 319-330	1-13
A	--- KINKHORST O M ET AL: "From medical record to patient record through electronic data interchange (EDI)" INTERNATIONAL JOURNAL OF BIO-MEDICAL COMPUTING, ELSEVIER SCIENCE PUBLISHERS, SHANNON, IE, vol. 42, no. 1, 1 July 1996 (1996-07-01), pages 151-155, XP004012018 ISSN: 0020-7101 page 151-155 -----	1-13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/06767

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9641288	A	19-12-1996	AU 6252496 A WO 9641288 A1	30-12-1996 19-12-1996
US 2001027403	A1	04-10-2001	NONE	
WO 9732271	A	04-09-1997	US 5974389 A AU 732221 B2 AU 2062697 A CA 2247915 A1 EP 0883854 A1 JP 2000506291 T WO 9732271 A1	26-10-1999 12-04-2001 16-09-1997 04-09-1997 16-12-1998 23-05-2000 04-09-1997
US 6311163	B1	30-10-2001	AU 1133200 A WO 0025192 A2	15-05-2000 04-05-2000