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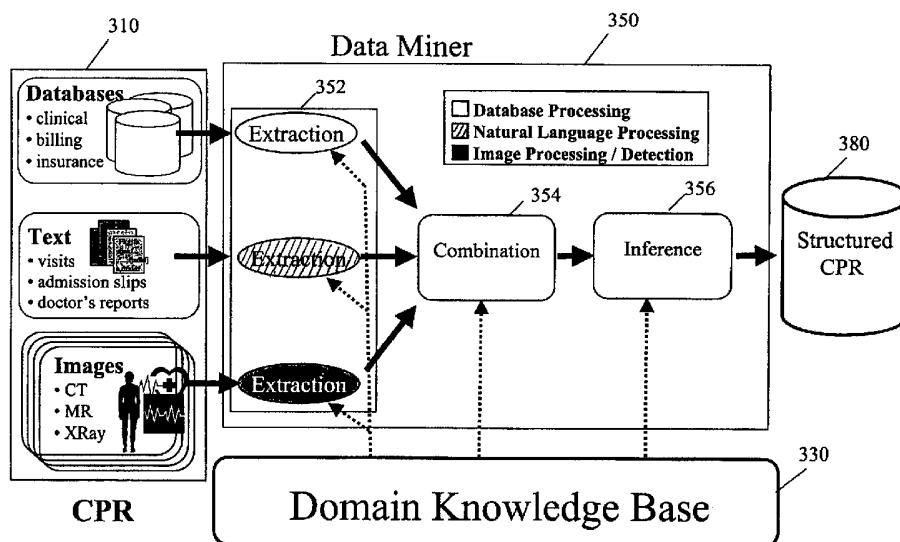
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- (71) Applicant: SIEMENS MEDICAL SOLUTIONS USA, INC. [US/US]; 51 Valley Stream Parkway, Malvern, PA 19355-1406 (US). (88) Date of publication of the international search report: 8 April 2004
- (72) Inventors: RAO, R. Bharat; 2060 St. Andrews Drive, Berwyn, PA 19312 (US). SANDILYA, Sathyakama; 28-12 Pheasant Hollow Drive, Plainsboro, NJ 08536 (US). WARRICK, Thomas; 1657 Stephens Drive, Wayne, 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: PATIENT DATA MINING FOR QUALITY ADHERENCE



(57) Abstract: The present invention provides systems and methods for automatically ensuring adherence to clinical guidelines during the course of patient treatments. A data source (202) contains patient records, including records for patients being treated; a guidelines knowledge base (204) contains clinical guidelines; and a quality adherence engine (206) is configured to monitor adherence with the clinical guidelines for patients being treated. At least some of the patient records may include information obtained from mining unstructured patient data. The system includes an output component (208) for outputting quality adherence information. The outputted quality adherence information may include reminders, including reminders to take clinical actions in accordance with the clinical guidelines. The outputted quality adherence information may also include warnings that the clinical guidelines have not been observed.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 02/35378

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, BIOSIS, COMPENDEX, EMBASE, FSTA, 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 5 908 383 A (BRYNJESTAD ULF) 1 June 1999 (1999-06-01) figures 2,3 claim 6 column 1, line 59 -column 2, line 24 ---	1-24
X	US 6 139 494 A (CAIRNES WALTER J) 31 October 2000 (2000-10-31) abstract column 1, line 53 - line 64 column 7, line 11 - line 17 ---	1-24
X	US 5 738 102 A (LEMELSON JEROME H) 14 April 1998 (1998-04-14) abstract column 1, line 17 - line 57 --- -/--	1-24

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☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

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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.
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X	US 6 039 688 A (DOUGLAS PETER ET AL) 21 March 2000 (2000-03-21) figure 60 column 10, line 40 -column 11, line 2 -----	1-24

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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