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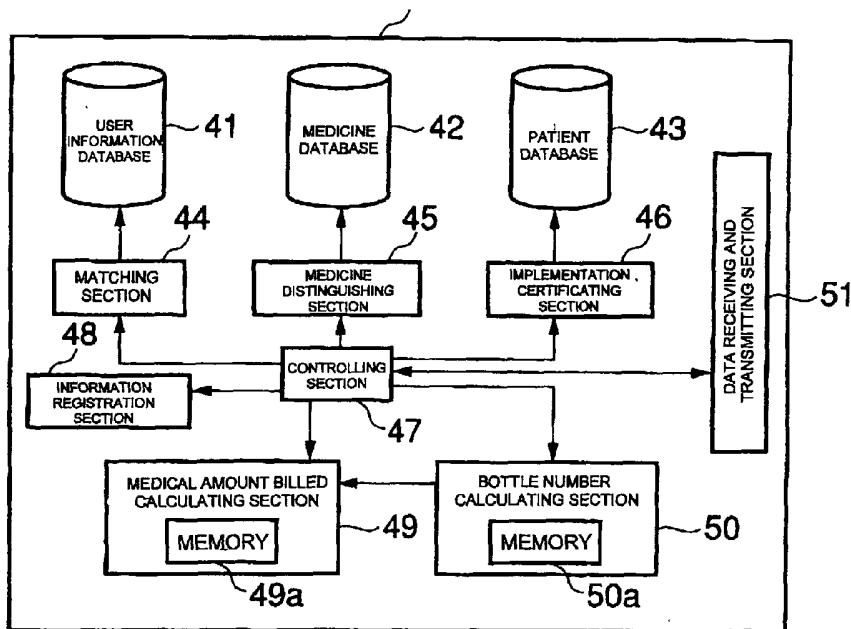
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[Continued on next page]

(54) Title: HOSPITAL INFORMATION SYSTEM



(57) Abstract: In a hospital information system of the present invention, it is possible to link between certificated indication contents and implementation result on a flow sheet (a sheet displaying timevarying vital signs, Intake/Output, observations, and measures) by linking doctor's indications between an indication sheet and a flow sheet, which is mainly used by nurses. It is possible to input the time-varying used amount on the flow sheet after nurses receive the indication, as well as the indication by the doctor. It is also possible to transmit the medical amount billed on the basis of administration amounts to other system automatically, by calculating the unit price or the medical amount billed on the basis of the used amount.

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Minimum documentation searched (classification system followed by classification symbols)

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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, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/044059 A1 (REEDER RYAN A ET AL) 18 April 2002 (2002-04-18) abstract; figures 1,34,47A,47B,48 paragraphs '0003!, '0004!, '0006!, '0086!, '0088!, '0121!; claims 1-6	1-7
X	US 5 077 666 A (BRIMM ET AL) 31 December 1991 (1991-12-31) abstract; figures 1,2,6,7,12 column 1, line 64 - column 2, line 5 column 3, line 35 - line 52 column 4, line 17 - line 50 column 9, line 5 - column 10, line 15; claim 1	1-7



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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 99/10830 A (DEKA PRODUCTS LIMITED PARTNERSHIP; SWEENEY, JAMES, M; ROGERS, BOBBY, E) 4 March 1999 (1999-03-04) abstract; figures 4,17 page 10, line 12 - line 19 page 50, line 12 - line 28 page 48, line 1 - line 9 page 51, line 24 - page 52, line 15	1-7
X	WO 01/88828 A (ALARIS MEDICAL SYSTEMS, INC; ALARIS MEDICAL SYSTEMS, INC; MCKESSON AU) 22 November 2001 (2001-11-22) page 6, line 1 - line 6 page 9, line 28 - page 10, line 5 page 12, line 4 - line 10 page 28, line 13 - line 21 page 34, line 30 - page 35, line 7	1-7

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/050797

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 2002044059	A1	18-04-2002	US 2002196141 A1	26-12-2002
			US 2003112147 A1	19-06-2003
			AU 5949301 A	20-11-2001
			AU 5982801 A	20-11-2001
			AU 6119801 A	20-11-2001
			BR 0110594 A	14-12-2004
			CA 2408230 A1	15-11-2001
			CA 2408258 A1	15-11-2001
			CA 2408342 A1	15-11-2001
			EP 1290652 A2	12-03-2003
			EP 1278499 A2	29-01-2003
			EP 1278456 A2	29-01-2003
			JP 2004512058 T	22-04-2004
			JP 2004514464 T	20-05-2004
			JP 2004507285 T	11-03-2004
			WO 0186575 A2	15-11-2001
			WO 0186605 A2	15-11-2001
			WO 0185085 A2	15-11-2001
			US 2002014951 A1	07-02-2002
			US 2002103674 A1	01-08-2002
US 5077666	A	31-12-1991	NONE	
WO 9910830	A	04-03-1999	AU 9022598 A	16-03-1999
			WO 9910830 A1	04-03-1999
WO 0188828	A	22-11-2001	AU 6172301 A	26-11-2001
			CA 2409131 A1	22-11-2001
			CZ 20023818 A3	18-06-2003
			EP 1316048 A2	04-06-2003
			JP 2004519020 T	24-06-2004
			NZ 522631 A	30-07-2004
			WO 0188828 A2	22-11-2001
			US 2001044731 A1	22-11-2001
			ZA 200209284 A	25-02-2004