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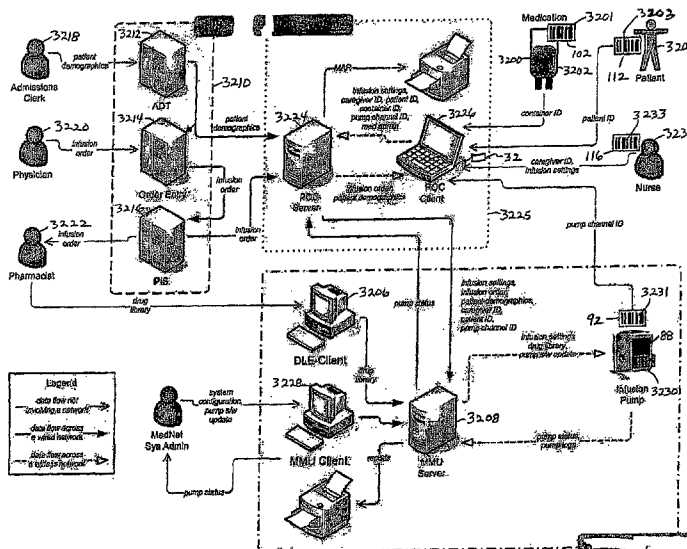
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[Continued on next page]

(54) Title: MEDICATION ADMINISTRATION AND MANAGEMENT SYSTEM AND METHOD



(57) Abstract: A system, method and computer program for programming a medical device to administer a medication to a patient includes the medical device, a scanner that may be associated with a point of care (POC) system, and a medication management unit (MMU). A computer in the POC system can directly program the medical device with the permission of the MMU after a full "five rights" check or the "right patient" check can be delayed until after the pump program is downloaded. Other workflows are disclosed for programming the medical device in manual, semi-automatic and automatic modes, with safety checks incorporated at various points.

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Published:

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- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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10 July 2008

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 07/07761

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - G06Q 50/00, G06F 19/00 (2008.10)
USPC - 705/35
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)
USPC: 705/3

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 705/1, 2, 3; 700/1, 90, 226; 235/375; 706/924; 604/189 (see keywords below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Pub WEST (USPT, PGPB, JPAB, EPAB), Google Scholar, Dialog Pro.
Search Terms Used: medicatio adj order\$, order adj management, tempora\$ adj order\$, emergenc\$, replac\$, website, administ\$, start\$ adj time, stop or end\$) adj time, compar\$, interval, medical adj care, administer\$ adj medic, prescri\$ or (care adj order),

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ----- Y	US 2005/0086072 A1 (Fox et al.), 21 April 2005 (21.04.2005), entire document especially figure 2; figure 8; para [0030]; [0039]; [0045]-[0048]; [0067]; [0084]-[0094].	1-7, 11-18, 21-23, 29-30, 33-34, 36, 49-53, 56-59, 67-68 and 72 ----- 8-10, 19-20, 24-28, 31-32, 35, 37-45, 47-48, 54-55, 60-66, 69-71 and 73-76
Y	US 2005/0119788 A1 (Engleson et al.), 02 June 2005 (05.06.2005), entire document especially para [0052]; para [0060]-[0061]; para [0075]-[0077].	8-10, 19-20, 24-28, 31-32, 35, 37, 45, 47-48, 60, 64-66, 69-71 and 75-76
Y	US 2003/0120384 A1 (Haitin et al.), 26 June 2003 (26.06.2003), entire document especially para [0104]; para [0111]; para [0134]	38-41, 45, 47- 48, 54-55, 61-66 and 73-76
Y	US 2004/0181314 A1 (Zaleski), 16 September 2004 (16.09.2004), entire document especially para [0019]-[0022]; para [0025]-[0027].	42-44

Further documents are listed in the continuation of Box C.

* 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 application or patent 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 19 March 2008 (19.03.2008)	Date of mailing of the international search report 30 APR 2008
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/07761

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 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 No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

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

Group 1 (Claims 1-45 and 47-76) is drawn to a method, system and computer program product for administering a medication to a patient using a medical device.

Group 2 (Claims 77-89) is drawn to a method and system for programming a medical device.

The programming system and method of Group 2 does not require the specifics of those of Group 1. (i.e., programming a medical device as provided for in Group 2 does not specifically require administering a medication as provided for in Group 1). Therefore unity is not present, as there is no special feature common to both groups which makes a contribution over the prior art.

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 additional fees, this Authority did not invite payment of additional fees.
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.:
1-45 and 47-76

- Remark on Protest**
- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.