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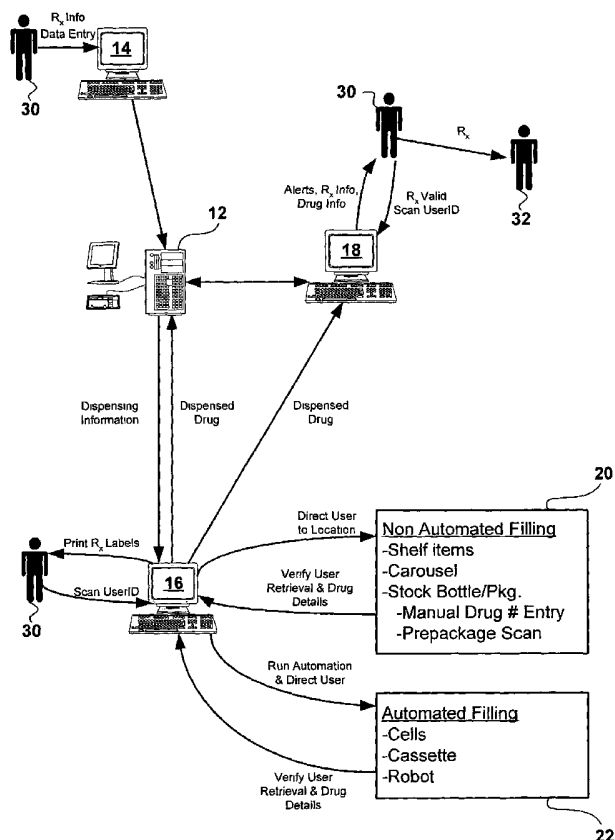
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60/419,620 18 October 2002 (18.10.2002) US
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- (54) Title: **AUTOMATED DRUG SUBSTITUTION, VERIFICATION, AND REPORTING SYSTEM**
- (57) Abstract: An integrated pharmacy system receives prescription information, creates a substitution reference list identifying the requested medical item and a plurality of equivalent medical items, automatically selects one of the items identified on the substitution reference list, fills the prescription, checks the accuracy of the filled prescription, facilitates the sales exchange, and creates an archive of the transaction, although not all steps need to be performed for every application. The integrated pharmacy system can also prevent unauthorized users from performing improper functions such as, for example, attempting to dispense an item which is not a proper substitute for the requested item. The present invention, by automatically substituting equivalent medical items for a requested medical item and by automatically archiving each prescription transaction, simplifies the prescription filling and record keeping requirements for the pharmacy technician and pharmacist.
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]





Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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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31 March 2005

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/33195

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, IBM-TDB, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 172 753 A (BODSWORTH ANDREW W ET AL) 16 January 2002 (2002-01-16)	1-5
A	paragraph '0004! - paragraph '0022! paragraphs '0040!, '0041! -----	16,30
X	WO 02/21402 A (BAIN WALTER M) 14 March 2002 (2002-03-14) page 7, line 30 - page 34, line 25 -----	6-43
X	US 5 797 515 A (LIFF HAROLD J ET AL) 25 August 1998 (1998-08-25) column 1, line 66 - column 2, line 52 column 5, line 8 - column 9, line 67 column 10, line 35 - column 20, line 8 ----- -/--	6-43

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

☒ 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
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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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- '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

28 January 2005

Date of mailing of the international search report

03/02/2005

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INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/US 03/33195

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 5 845 264 A (NELHAUS GERARS) 1 December 1998 (1998-12-01) figures 1-3 column 2, line 56 - column 3, line 63 claim 1</p> <p>-----</p>	6-43

INTERNATIONAL SEARCH REPORT

national application No.
PCT/US 03/33195

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.:

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: 1-6

Creation of a substitution reference list of requested medical items.

1.1. claims: 6-43

Dispensing of prescribed medical items.

INTERNATIONAL SEARCH REPORT

...information on patent family members

In International Application No

PCT/US 03/33195

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