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- 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  
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[Continued on next page]

(54) Title: USER INTERFACE FOR ENTRY OF STEP CHANGES

(57) Abstract: A user interface for capturing user input for a non-uniform pattern of N quantities associated with a set of N time periods. The user interface allows the capture of the N quantities without the need to input N separate values. One implementation allows the user to input a sequence of step changes. Other implementations allow the user to select a pattern and provide a few parameters so that a non-uniform pattern of step changes is created by the system. Some implementations may allow subsequent adjustment of the created pattern. One use of this user interface is to capture medication instructions to either ramp up the dose of a medication or to taper down a dose of medication. These instructions for the non-uniform pattern of N quantities may be communicated electronically to other systems, stored, or printed.

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*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.*

**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/US 07/03225

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC(8) - G06F 17/30 (2007.01)  
USPC - 707/6  
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: 707/6

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
USPC: 706/48; 715/500

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
PubWEST (PGPB,USPT,USOC,EPAB,JPAB), Google Scholar - terms: quantities, different, time(s), periods, increase, medication, pills

**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 2005/0283784 A1 (SUZUKI) 22 December 2005 (22.12.2005), abstract, fig 1 and para [0010]-[0012], [0017]-[0019], [0048] and [0050].	1-6 and 13-22  7-12
Y	US 2005/0158394 A1 (STANIFORTH et al.) 21 July 2005 (21.07.2005), para [0048], [0047] and [0132].	7-12

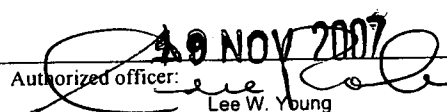
Further documents are listed in the continuation of Box C.

- |   |  |
|---|--|
| * Special categories of cited documents:  | "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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| "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  |  |

Date of the actual completion of the international search  
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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/03225

**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.: 23  
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:  
  
Claim 23 is indefinite in that it fails to point out what is included or excluded by the claim language. This claim is not drafted in accordance with PCT Rule 6.2(a).
  
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:

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.:

**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.