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[Continued on next page]

(54) Title: DATA ENTRY SYSTEM

(57) Abstract: A data entry system including a plurality of first keys, a plurality of second keys, a display and a processor adapted to interpret a first type of user interaction with the first keys as entrance of one or more characters and to interpret a second type of interaction with the first keys as mode signals which change the meanings of at least three of the second keys.

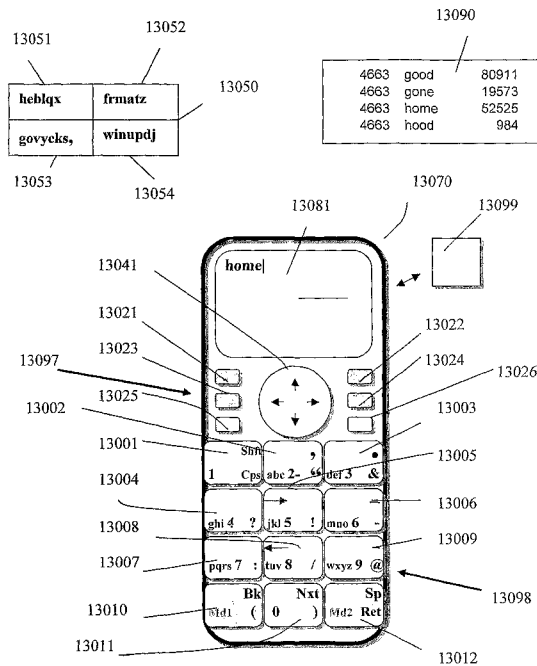


Fig. 1

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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 (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

International application No
PCT/IL2009/000790

A. CLASSIFICATION OF SUBJECT MATTER
INV. G06F3/023 G06F3/048

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)
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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2008/141125 A1 (GHASSABIAN FIROOZ [US]) 12 June 2008 (2008-06-12) paragraph [0003] paragraph [0155] - paragraph [0162] paragraph [0167] - paragraph [0177] paragraph [0210] paragraph [0257] - paragraph [0267] paragraph [0299] figures 5,5a figures 11-11c	1-3
X	US 2003/030573 A1 (URE MICHAEL J [US]) 13 February 2003 (2003-02-13) paragraph [0002] paragraph [0009] paragraph [0017] - paragraph [0031] paragraph [0036] figures 1-5	1-3
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Further documents are listed in the continuation of Box C.

See patent family 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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"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

5 March 2010

Date of mailing of the international search report

17/06/2010

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INTERNATIONAL SEARCH REPORT

International application No
PCT/IL2009/000790

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2005/100147 A1 (NAICK INDRAN [US] ET AL) 12 May 2005 (2005-05-12) paragraph [0029] - paragraph [0032]; figure 1 -----	1-3
A	US 2004/125078 A1 (NISHIMORI TAKASHI [JP] ET AL) 1 July 2004 (2004-07-01) paragraph [0081] - paragraph [0102]; figures 6,7 -----	1-3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL2009/000790

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:

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 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.:

1-3

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-3

Combined character input and mode switch functionality

2. claims: 4-10, 20-22, 27-36

Directional/gesture-based input for character/command selection

3. claims: 11-19, 23-26

User input and user feedback for text disambiguation

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2008141125 A1	12-06-2008	NONE	
US 2003030573 A1	13-02-2003	NONE	
US 2005100147 A1	12-05-2005	NONE	
US 2004125078 A1	01-07-2004	JP 2004178551 A	24-06-2004