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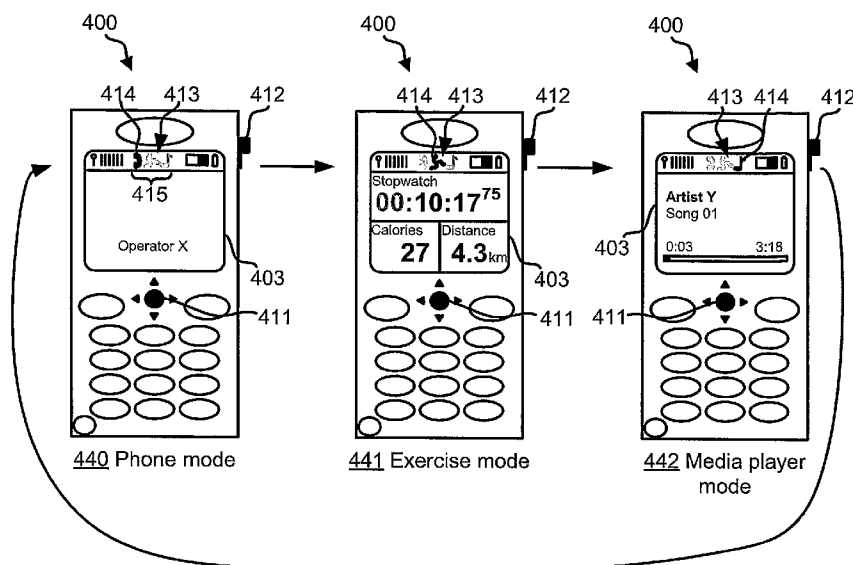
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3 July 2008

(54) Title: OPERATIONAL MODE SWITCHING IN A MOBILE COMMUNICATION TERMINAL



(57) Abstract: It is presented a method for providing a user interface of a mobile communication terminal (400) comprising a mode switch actuator (412), where the mobile communication terminal has at least two operational modes (440, 441, 442). The method comprises the steps of : detecting an actuation of the mode switch actuator; determining a first operational mode being a currently active operational mode,- determining a second operational mode to switch to; and switching operational mode of the mobile communication terminal from the first operational mode to the second operational mode. This provides a user interface which may be different for each operational mode, enhancing usability by excluding user interface items that are unnecessary for each operational mode. Corresponding multimode devices, computer program product and user interface are also presented.

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INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2007/001160

A. CLASSIFICATION OF SUBJECT MATTER
 INV. H04M1/725 H04M1/23 G06F19/00
 ADD. H04M1/247

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)
 H04M 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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y Y A	US 2003/107500 A1 (LEE JAE WOOK [KR]) 12 June 2003 (2003-06-12) abstract figures 2-6 paragraph [0025] - paragraph [0037] ----- US 5 671 267 A (AUGUST KATHERINE GRACE [US] ET AL) 23 September 1997 (1997-09-23) column 4, line 8 - line 41 column 7, line 34 - column 8, line 42 figure 3 ----- GB 2 410 858 A (NEC TECHNOLOGIES [GB]) 10 August 2005 (2005-08-10) page 1 - page 6 figures 1,2 ----- -/--	1, 3, 21, 22, 27-30 2, 4 2, 4 1-4, 21, 22, 27-30

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 *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
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Date of the actual completion of the international search 17 March 2008	Date of mailing of the international search report 03/04/2008
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Gavin Alarcon, Oscar
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INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2007/001160

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 507 202 A (NTT DOCOMO INC [JP]) 16 February 2005 (2005-02-16) paragraph [0065] - paragraph [0080] figures 1,2,10-14	1,2, 5-14,17, 18,23, 24,26-30
Y	----- -----	19,25
X	US 2002/090931 A1 (PAPINEAU SCOTT [US] ET AL) 11 July 2002 (2002-07-11) figure 3 paragraph [0024]	1,7-14, 21,22, 27-30
X	EP 1 276 300 A (MITSUBISHI ELECTRIC CORP [JP]) 15 January 2003 (2003-01-15) paragraph [0013] - paragraph [0027] figure 1	1,7-14, 21,22, 27-30
X	US 6 285 891 B1 (HOSHINO MASAKI [JP]) 4 September 2001 (2001-09-04) column 1, line 20 - column 6, line 49 column 8, line 37 - column 9, line 22 column 12, line 63 - column 13, line 28	1,15,16, 21,22, 27-30
Y	US 2005/171410 A1 (HJELT KARI [FI] ET AL HJELT KARI [FI] ET AL) 4 August 2005 (2005-08-04) figure 1 paragraph [0028] - paragraph [0038] paragraph [0082] - paragraph [0085]	19,25
X	WO 2005/053297 A (INTELLPROP LTD; WILSON JEFFREY [GB] INTELLPROP LTD [GB]; WILSON JEFFRE) 9 June 2005 (2005-06-09) page 20, line 29 - page 21, line 22	1,20-22, 27-30
X	US 5 396 264 A (FALCONE FRANK [US] ET AL) 7 March 1995 (1995-03-07) the whole document	1,2,6, 17,18, 21,22, 27-30

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2007/001160

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.:

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: 1-4,21-22,27-30

directed to associating distinct applications and menu schemes to each operational mode of a mobile phone.

2. claims: 5-14

directed to alternative ways of making the user aware of the operational mode in which the mobile phone is currently active.

3. claims: 15-16

directed to a way of warning a user of the fact that the mobile phone is currently switching an operational mode.

4. claims: 17-19,23-25

directed to a mobile phone comprising an operational mode named exercise mode.

5. claim: 20

directed to the fact of changing to a different operational mode depending on the time during which the switch-actuator has been actuated.

6. claim: 26

directed to the constructional arrangement of a switch-actuator.

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2007/001160

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