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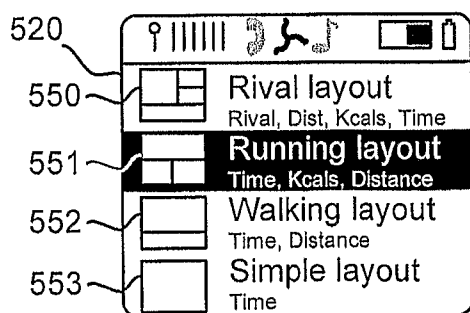
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(54) Title: IMPROVED MOBILE COMMUNICATION TERMINAL AND METHOD



(57) Abstract: It is presented a method for providing a user interface of an exercise application of a mobile communication terminal comprising a display. The method comprises: accepting a first input defining a user layout of containers for exercise related measurements; accepting a second input for associating an exercise related measurement with each of the containers; and when exercising is determined to have begun, displaying the user layout of the containers on the display, each container showing an associated exercise related measurement. Further methods, mobile terminals, system, and computer program products related to exercise applications in mobile terminals are also presented.

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2007/000893

A. CLASSIFICATION OF SUBJECT MATTER INV. A61B5/00 A61B5/22 A63B24/00 ADD. A61B5/11		
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) A61B A63B G06F H04B H04M		
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 2004/122297 A1 (STAHMANN JEFFREY E [US] ET AL) 24 June 2004 (2004-06-24)	1, 4, 6-9, 12, 15, 17-20
Y	paragraph [0041] - paragraph [0049] paragraph [0065] - paragraph [0067] paragraph [0072] - paragraph [0075] paragraph [0094] paragraph [0114] - paragraph [0124] paragraph [0159] - paragraph [0163] paragraph [0171] figures 1, 14, 15, 27	2, 3, 5, 14
A	----- US 6 021 351 A (KADHIRESAN V A [US] ET AL) 1 February 2000 (2000-02-01) column 3, line 35 - line 41 column 5, line 4 - line 23 ----- <div style="text-align: center;">-/--</div>	1-9, 12-14
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex. </div>		
* Special categories of cited documents :		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*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)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*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</p> <p>*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</p> <p>*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.</p> <p>*Z* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search	Date of mailing of the international search report	
28 January 2008	05/02/2008	
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 Görlach, Tobias	

INTERNATIONAL SEARCH REPORT

International application No
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G(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2005 134201 A (CHINO CORP) 26 May 2005 (2005-05-26) abstract figure 1	2,3,5
X A	US 2005/228244 A1 (BANET MATTHEW J [US]) 13 October 2005 (2005-10-13) paragraphs [0007], [0008] paragraphs [0011], [0018], [0019] figures 1,2	9,10,15, 17-20 1,4,6-8
X A	WO 2005/096597 A (SHARP KK [JP]; ICHIKAWA YUJI) 13 October 2005 (2005-10-13) abstract figure 1	9,12, 17-20 1,4,6-8
X A	KR 2005 0027589 A (SAMSUNG ELECTRONICS CO LTD [KR]) 21 March 2005 (2005-03-21) the whole document	9,10,12 1,4,6-8
X Y	US 2004/046637 A1 (WESBY VAN SWAAY EVELINE [GB]) 11 March 2004 (2004-03-11) paragraph [0032] paragraph [0047] - paragraph [0048] paragraph [0061] - paragraph [0064] paragraph [0096] figure 1	9,15-20 11,13
Y	US 6 854 628 B1 (STHR JEFF G [US]) 15 February 2005 (2005-02-15) paragraph [0004] figure 3	11
Y	CN 1 384 330 A (LU JIAN [CN]) 11 December 2002 (2002-12-11) abstract	13
Y	GB 2 137 363 A (JOHNSON WILLIAM N H) 3 October 1984 (1984-10-03) page 1, line 87 - line 92 page 1, line 125 - line 130	14
X	DE 20 2005 009016 U1 (LANGE BRIGITTE [DE]) 8 September 2005 (2005-09-08) paragraph [0013] - paragraph [0017] paragraph [0020] - paragraph [0034] paragraph [0042] - paragraph [0045] paragraph [0223] figures 3-8	21-27
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INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2007/000893

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 2002/142887 A1 (O' MALLEY SEAN M [US] O'MALLEY SEAN M [US]) 3 October 2002 (2002-10-03) paragraph [0046] - paragraph [0048] paragraph [0051] - paragraph [0073] paragraph [0078] - paragraph [0100] -----	21-27
A	JP 2003 323503 A (TOP BUSINESS SYSTEM KK) 14 November 2003 (2003-11-14) abstract figures 18-20 -----	1,6-8
A	JP 2006 072865 A (YAMAMOTO TAKAHIRO; MIYASATO SHINICHI) 16 March 2006 (2006-03-16) abstract -----	9

INTERNATIONAL SEARCH REPORT

International application No.
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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: 1-8

Display layout for exercise-related measurements on a mobile communication device

2. claims: 9-20

Communication between mobile communication device and input device

3. claims: 21-27

Association of parts of an exercise schedule with a music playlist

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2007/000893

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004122297 A1	24-06-2004	AU 2003300966 A1 EP 1581903 A2 JP 2006510451 T WO 2004059551 A2	22-07-2004 05-10-2005 30-03-2006 15-07-2004
US 6021351 A	01-02-2000	US 6539249 B1	25-03-2003
JP 2005134201 A	26-05-2005	NONE	
US 2005228244 A1	13-10-2005	US 2006009697 A1 US 2006009698 A1 US 2005228296 A1 US 2005228298 A1 US 2005228299 A1 US 2005228300 A1 US 2005228301 A1	12-01-2006 12-01-2006 13-10-2005 13-10-2005 13-10-2005 13-10-2005 13-10-2005
WO 2005096597 A	13-10-2005	JP 3720346 B2 JP 2005286809 A	24-11-2005 13-10-2005
KR 20050027589 A	21-03-2005	NONE	
US 2004046637 A1	11-03-2004	AU 6745901 A CA 2409851 A1 WO 0191428 A2 EP 1290860 A2 US 2006119468 A1	03-12-2001 29-11-2001 29-11-2001 12-03-2003 08-06-2006
US 6854628 B1	15-02-2005	NONE	
CN 1384330 A	11-12-2002	NONE	
GB 2137363 A	03-10-1984	NONE	
DE 202005009016 U1	08-09-2005	NONE	
US 2002142887 A1	03-10-2002	NONE	
JP 2003323503 A	14-11-2003	NONE	
JP 2006072865 A	16-03-2006	NONE	