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[Continued on next page]

(54) Title: SWAPPING USER- INTERFACE OBJECTS BY DRAG-AND-DROP FINGER GESTURES ON A TOUCH SCREEN DISPLAY

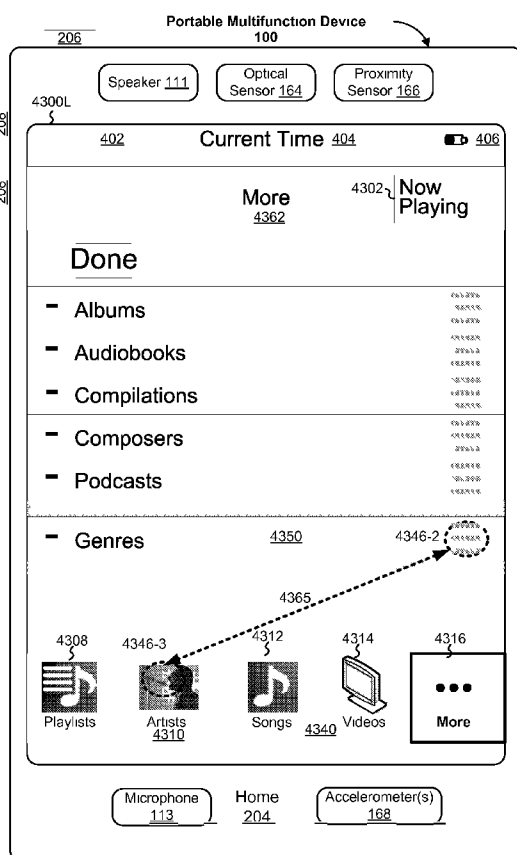


Figure 8C

(57) Abstract: A portable multifunction device (100) displays a first user interface object (4350) and a second user interface object (4310) on a touch screen display (112). Upon detecting a finger-down event (4346-2) at the first user interface object (4350) and one or more finger-dragging events (4365) on the touch screen display (112), the device (100) moves the first user interface object (4350) on the touch screen display (112) along a path determined by the finger-dragging events (4365) until the first user interface object (4350) at least in part overlaps the second user interface object (4310). Upon detecting a finger-up event (4346-3) at the second user interface object (4310), the device (100) visually replaces the second user interface object (4310) with the first user interface object (4350).

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PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV,  
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,  
ZA, ZM, ZW.

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**A CLASSIFICATION OF SUBJECT MATTER**  
INV. 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**

**C DOCUMENTS CONSIDERED TO BE RELEVANT**

Category <sup>1</sup>	Citation of document with indication where appropriate of the relevant passages	Relevant to claim No
X	WO 2005/041020 A (NOKIA CORP [FI]; VETELAEINEN ASKO [FI]; AUTIO MARKKU [FI]) 6 May 2005 (2005-05-06) the whole document -----	1-14
A	US 5 760 773 A (BERMAN ERIC ROBERT [US] ET AL) 2 June 1998 (1998-06-02) column 2, lines 28-39 column 11, line 1 - column 16, line 40 figures 1-5 -----	3,5-7,9
A	US 6 590 568 B1 (ASTALA ARTO [FI] ET AL) 8 July 2003 (2003-07-08) column 9, lines 3-65; figures 6a-6d -----	1,2, 12-14

**D** 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 relating to an oral disclosure, use, exhibition or other means

'P1' 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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16 June 2008

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# INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2008/050430

## 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 allsearchable 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.:

1-14

### 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 POT/ISA/ 210

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

1. claims: 1-14

Methods and devices for replacing a user interface object on a touch screen display of a portable multifunction device by dragging another user interface object over it.

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2. claims: 15-27

Method, graphical user interface and devices for entering a rating by detecting finger gestures over a series of ratings indicia on a touch screen display.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2008/050430

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2005041020 A	06-05-2005	BR PI0415644 A CN 1871578 A EP 1682999 A1 FI 20031563 A KR 20060061391 A US 2007013665 A1	12-12-2006 29-11-2006 26-07-2006 25-04-2005 07-06-2006 18-01-2007
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us 6590568 B1	08-07-2003	NONE	