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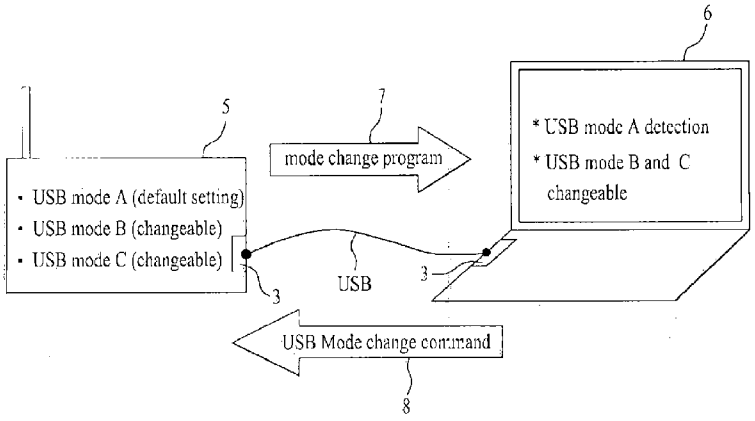
— *with international search report (Art. 21(3))*

— *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))*

[Continued on next page]

(54) Title: A COMMUNICATION DEVICE, A METHOD OF PROCESSING SIGNAL IN THE COMMUNICATION DEVICE AND A SYSTEM HAVING THE COMMUNICATION DEVICE

[Fig. 2]



(57) Abstract: A mobile terminal including an interface module configured to connect the mobile terminal to a personal computer, a communication unit configured to communicate with the personal computer via a first communication mode, a controller configured to selectively transmit a communication mode change program to the personal computer via the interface module, the communication mode change program instructing the personal computer to communicate with the mobile terminal via a second communication mode that is different than the first communication mode, and a receiving unit configured to receive a mode change instruction from the personal computer instructing the mobile terminal to communicate with the personal computer via the second communication mode.

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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC[8]: ***G06F 9/44*** (2006.01); ***G06F 13/10*** (2006.01)

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)

IPC[8]: 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 practicable, search terms used)

EPODOC, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR 20070109673 A (LG ELECTRONICS INC) 15 November 2007 (15.11.2007) *abstract;* --	1-7
X	KR 20080020071 A (SAMSUNG ELECTRONICS CO LTD) 5 March 2008 (05.03.2008) *abstract;* --	8-14
Y	KR 20070006317 A (PANTECH & CURITEL COMM INC) 11 January 2007 (11.01.2007) *abstract;* --	15-21

☒ 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

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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	Date of mailing of the international search report
07 October 2010 (07.10.2010)	25 October 2010 (25.10.2010)
Name and mailing address of the ISA/ AT **Austrian Patent Office** Dresdner Straße 87, A-1200 Vienna Facsimile No. +43 / 1 / 534 24 / 535	Authorized officer ENGLISCH M. Telephone No. +43 / 1 / 534 24 / 565

Continuation of first sheet

Continuation 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:

claims 1 to 14; claims 15 to 21

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2007043243 A (CASIO HITACHI MOBILE COMM CO) 15 February 2007 (15.02.2007) *abstract;* ---	15-21

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR A 20070109673		KR A 20070109673	2007-11-15
KR A 20080020071		KR A 20080020071	2008-03-05
KR A 20070006317		KR A 20070006317	2007-01-11
JP A 2007043243		JP A 2007043243	2007-02-15