

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
6 February 2003 (06.02.2003)

PCT

(10) International Publication Number
WO 03/010658 A3(51) International Patent Classification⁷: **G06F 9/445**,
H04Q 7/3214074 Davenport Avenue, San Diego, CA 92129 (US).
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92109 (US).

(21) International Application Number: PCT/IB02/02867

(22) International Filing Date: 22 July 2002 (22.07.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

09/917,026	26 July 2001 (26.07.2001)	US
09/916,460	26 July 2001 (26.07.2001)	US
09/916,900	26 July 2001 (26.07.2001)	US
09/927,131	10 August 2001 (10.08.2001)	US
09/969,305	2 October 2001 (02.10.2001)	US

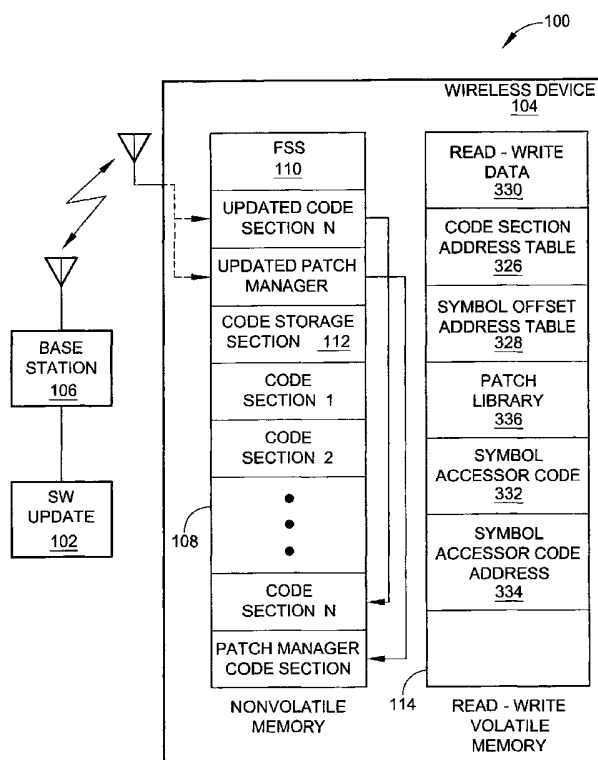
(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).(71) Applicant: **KYOCERA WIRELESS CORPORATION**
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Published:

— with international search report

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR ORGANIZING FIELD UPGRADABLE WIRELESS COMMUNICATION DEVICE SOFTWARE



(57) Abstract: A system and method are provided for organizing field upgradeable system software in a wireless communications device. The method comprises: forming system software code into a first plurality of symbol libraries, each library comprising symbols having related functionality; arranging the first plurality of symbol libraries into a second plurality of code sections so that symbol libraries start at the start of code sections; creating a second plurality of contiguously addressed memory blocks; identifying each memory block with a corresponding code section; storing code sections in the identified memory blocks, with the start of code sections at corresponding start addresses; maintaining a code section address table cross-referencing code section identifiers with corresponding start addresses; and, executing the wireless device system software. Forming system software code into a first plurality of symbol libraries includes forming a symbol accessor code. Arranging the first plurality of symbol libraries into a second plurality of code sections includes arranging each symbol to be offset from its respective code section start address, and includes arranging the symbol accessor code in a first code section. Then, the method further comprises: maintaining a symbol offset address table cross-referencing symbol identifiers with corresponding offset addresses, and corresponding code section identifiers; and, storing the symbol accessor code address in a first location in memory.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:

24 December 2003

INTERNATIONAL SEARCH REPORT

International Application No

P. IB 02/02867

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F9/445 H04Q7/32

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 7 G06F H04Q

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.
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A	WO 93 00633 A (PURE SOFTWARE INC) 7 January 1993 (1993-01-07) page 3, line 26 -page 5, line 12 --- -/--	1-12, 15-28, 31, 32



Further documents are listed in the continuation of box C.



Patent-family members are listed in annex.

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& document member of the same patent family

Date of the actual completion of the international search

15 October 2003

Date of mailing of the international search report

28/10/2003

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No

P IB 02/02867

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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