

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
2 October 2003 (02.10.2003)

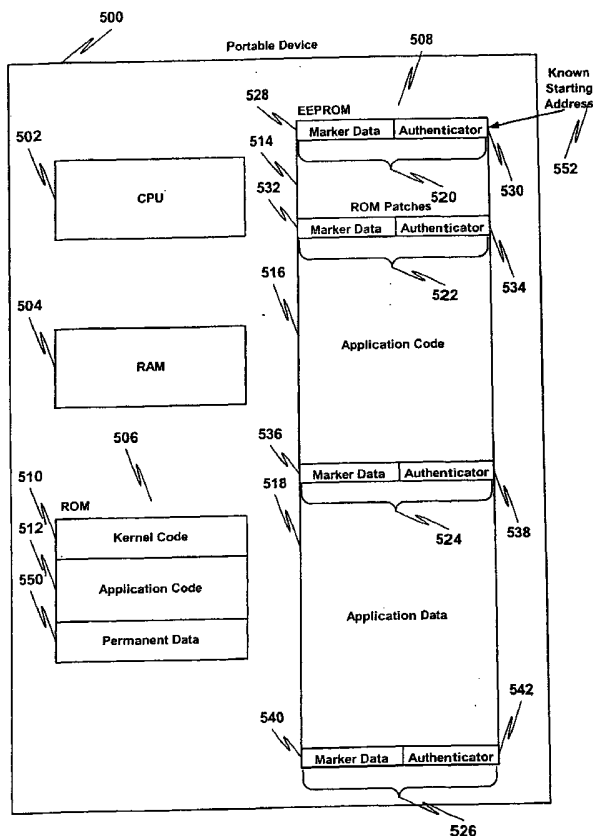
PCT

(10) International Publication Number  
WO 2003/081544 A3

- (51) International Patent Classification<sup>7</sup>: G07F 7/10, G06F 12/14
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- (21) International Application Number: PCT/US2003/008506
- (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, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 17 March 2003 (17.03.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 10/101,290 18 March 2002 (18.03.2002) US
- (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, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
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[Continued on next page]

(54) Title: ENHANCED MEMORY MANAGEMENT FOR PORTABLE DEVICES



(57) Abstract: A method for portable device memory management includes determining an operational mode of a program configured to execute on the portable device based on validating the presence of one or more memory markers in the memory. The one or more memory marker includes a memory line having a predetermined length and including a data portion and a tag. The method also includes allowing one or more commands based on the operational mode and terminating execution of the program of at least one but less than a predetermined number of memory markers are validly present in the memory

WO 2003/081544 A3



**Published:**

- *with international search report*
- *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:**

6 May 2004

# INTERNATIONAL SEARCH REPORT

Int                      Application No  
PCT/US 03/08506

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7    G07F7/10                      G06F12/14

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    G07F    G06K    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, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 99 24944 A (BRUN PHILIPPE ;COULIER CHARLES (FR); GEMPLUS CARD INT (FR)) 20 May 1999 (1999-05-20)</p> <p>page 1, line 1 -page 2, line 28 page 4, line 19 -page 5, line 18 page 6, line 16 -page 7, line 22 page 10, line 15 - line 31 page 11, line 19 -page 13, line 10 page 14, line 12 -page 15, line 19 page 16, line 2 - line 33 figure 2</p> <p style="text-align: center;">---</p> <p style="text-align: center;">-/--</p>	<p>15-24, 39-48, 63-72, 77-80</p>

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

10 March 2004

Date of mailing of the international search report

17/03/2004

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## INTERNATIONAL SEARCH REPORT

Inter	Application No
PC1/US	03/08506

C.(Continuation) 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	<p>US 5 384 749 A (LISART MATHIEU ET AL) 24 January 1995 (1995-01-24)</p> <p>column 1, line 1 - line 18 column 1, line 44 - line 54 column 2, line 25 -column 3, line 5 column 5, line 25 - line 64 column 4, line 6 - line 60 Abstract</p>	1-82
A	<p>US 6 292 874 B1 (BARNETT PHILIP C) 18 September 2001 (2001-09-18)</p> <p>column 1, line 9 - line 15 column 1, line 47 -column 2, line 32 column 2, line 48 -column 3, line 18 column 4, line 15 - line 46 column 5, line 20 - line 29 column 6, line 14 - line 27</p>	1-82
A	<p>US 6 282 700 B1 (GROVER RAJIV K ET AL) 28 August 2001 (2001-08-28)</p> <p>column 1, line 19 - line 23 column 1, line 46 -column 2, line 7 column 2, line 19 - line 56 column 5, line 15 - line 41 column 5, line 62 -column 6, line 5 column 6, line 50 - line 62</p>	1-82
A	<p>WO 94 24673 A (EVERETT DAVID B ;JACKSON KEITH M (GB); JONHIG LTD (GB); MILLER IAN) 27 October 1994 (1994-10-27)</p> <p>page 2, line 9 - line 22 page 9, line 21 - line 35 page 12, line 24 - line 34</p>	1-82
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Information on patent family members

Intern

Application No

PCT/US 03/08506

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