

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 March 2001 (15.03.2001)

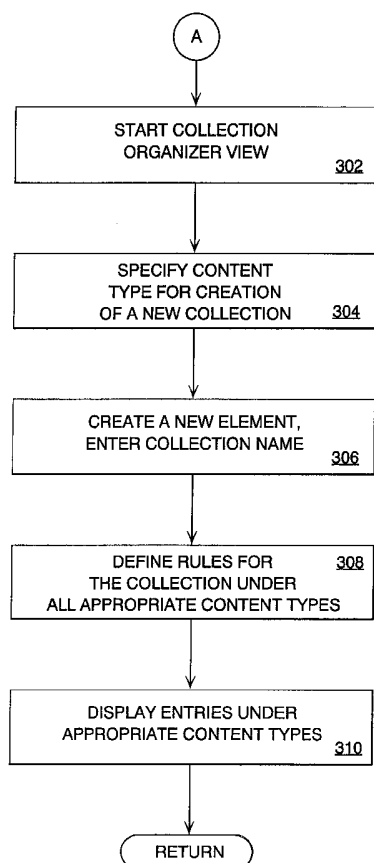
PCT

(10) International Publication Number
WO 01/018673 A3

- (51) International Patent Classification⁷: G06F 17/30, 17/60
- (21) International Application Number: PCT/US00/20584
- (22) International Filing Date: 28 July 2000 (28.07.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 09/393,759 10 September 1999 (10.09.1999) US
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, 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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published: — with international search report

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR MANAGING COLLECTIONS OF HETEROGENEOUS ELEMENTS IN A DATA PROCESSING SYSTEM



(57) Abstract: In a data processing system such as a personal communicator, a method for operating a messaging device includes defining a plurality of content types and receiving an information entity. The method further includes associating the information entity with any combination of the plurality of content types. The method further includes displaying identifying information and content type information for the information entity. Thus, users can specify inclusion of information entities having any different content type in heterogeneous collections which may be displayed and managed on the communicator.



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— *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

PC 17 US 00/20584

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G06F17/30 G06F17/60

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

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 5 948 058 A (TANAKA MIDORI ET AL) 7 September 1999 (1999-09-07) abstract column 12, line 1 - line 5 column 13, line 26 - line 45 column 14, line 21 - line 29 column 16, line 48 - line 52 column 25, line 31 - line 65 figure 3 figure 6	1-28
A	--- US 5 649 182 A (REITZ CARL A) 15 July 1997 (1997-07-15) column 1, line 64 - column 2, line 35 abstract --- -/--	1-28

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Patent family members are listed in annex.

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Date of the actual completion of the international search

21 October 2003

Date of mailing of the international search report

28/10/2003

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 00/20584

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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International Application No

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