

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

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
11 December 2003 (11.12.2003)

PCT

(10) International Publication Number  
WO 2003/103218 A3

(51) International Patent Classification<sup>7</sup>: H04L 12/58, 29/06

(21) International Application Number: PCT/US2003/016132

(22) International Filing Date: 21 May 2003 (21.05.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
10/159,223 31 May 2002 (31.05.2002) US

(71) Applicant: ORACLE INTERNATIONAL CORPORATION [US/US]; 500 Oracle Parkway, Redwood Shores, CA 94065 (US).

(72) Inventor: DAY, Jia-Der; 968 Governors Bay Drive, Redwood Shores, CA 94065 (US).

(74) Agent: HICKMAN, Brian; Hickman Palermo Truong & Becker LLP, 1600 Willow Street, San Jose, CA 95125 (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, NI, 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.

(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).

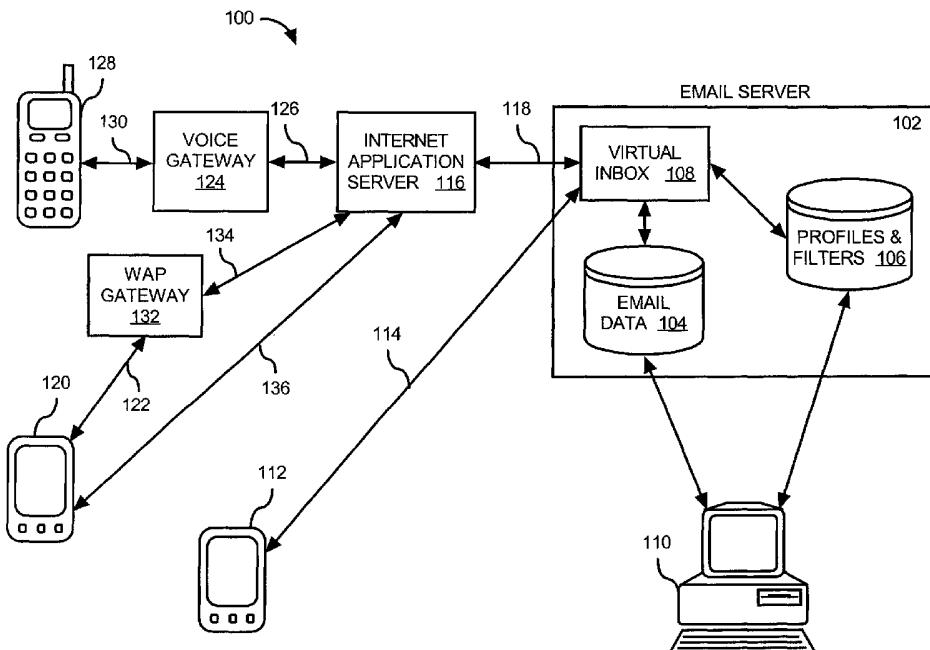
Published:

— with international search report

(88) Date of publication of the international search report:  
25 March 2004

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.

(54) Title: METHOD AND APPARATUS FOR PROVIDING E-MAIL TO A MOBILE DEVICE



WO 2003/103218 A3

(57) Abstract: Techniques are provided for communicating data to a mobile device. A system receives a request for data from a mobile device. The system identifies filter criteria associated with the mobile device. The filter criteria is applied to a set of data to identify particular data elements that satisfy the filter criteria. The identified data elements are then transmitted to the mobile device.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 03/16132A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04L12/58 H04L29/06

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 H04L

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.
X	EP 0 932 320 A (MOTOROLA INC) 28 July 1999 (1999-07-28)  paragraph '0036! - paragraph '0040!; figure 5 ---	1-13, 19-27, 33-36
X	EP 1 063 821 A (LUCENT TECHNOLOGIES INC) 27 December 2000 (2000-12-27) paragraph '0002! paragraph '0015! paragraph '0034! - paragraph '0036! ---	14-18, 28-32
X	US 2002/004855 A1 (COX STEVE ET AL) 10 January 2002 (2002-01-10) paragraph '0040! paragraph '0042! paragraph '0049! paragraph '0052! ---	14-18, 33-36

 Further documents are listed in the continuation of box C. Patent family members are listed in 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 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

18 November 2003

26/11/2003

## Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel: (+31-70) 340-2040, Tx. 31 651 epo nl.  
Fax: (+31-70) 340-3016

Authorized officer

Ströbeck, A.

**INTERNATIONAL SEARCH REPORT**

International Application No

PCT/US 03/16132

**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 363 140 B1 (PINARD DEBBIE) 26 March 2002 (2002-03-26) column 3, line 13 – line 28 -----	19-23

**INTERNATIONAL SEARCH REPORT**

International Application No

PCT/US 03/16132

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
EP 0932320	A 28-07-1999	US 6157630 A		05-12-2000
		CN 1234694 A ,B		10-11-1999
		EP 0932320 A2		28-07-1999
		US 2003191808 A1		09-10-2003
EP 1063821	A 27-12-2000	CA 2310982 A1		21-12-2000
		EP 1063821 A2		27-12-2000
		JP 2001060958 A		06-03-2001
US 2002004855	A1 10-01-2002	AU 6333601 A		11-12-2001
		WO 0193524 A2		06-12-2001
US 6363140	B1 26-03-2002	DE 19832433 A1		04-02-1999