

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 December 2000 (21.12.2000)

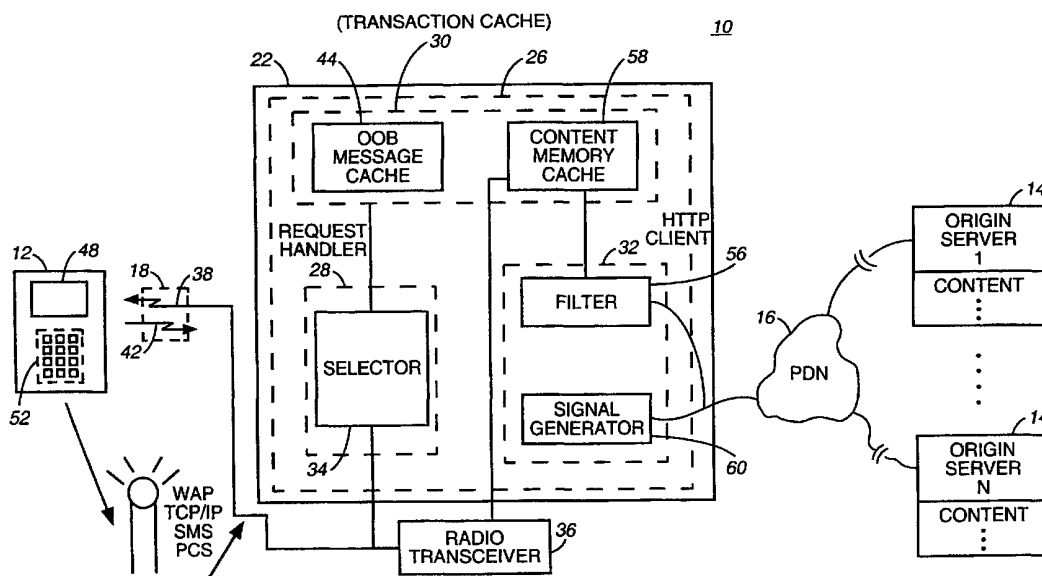
PCT

(10) International Publication Number
WO 00/78005 A3

- (51) International Patent Classification⁷: **H04L 29/06**
 - (21) International Application Number: PCT/US00/16359
 - (22) International Filing Date: 14 June 2000 (14.06.2000)
 - (25) Filing Language: English
 - (26) Publication Language: English
 - (30) Priority Data:
09/333,640 15 June 1999 (15.06.1999) US
09/563,970 3 May 2000 (03.05.2000) US
 - (71) Applicant: **NOKIA CORPORATION [FI/FI]**; Keilalahdentie 4, FIN-02150 Espoo (FI).
 - (71) Applicant (for LC only): **NOKIA INC. [US/US]**; 6000 Connection Drive, Irving, TX 75039 (US).
 - (72) Inventors: **THRANE, Leon**; Apartment 602, 3 Kimball Court, Woburn, MA 01801 (US). **SZONDY, Gyorgy**; Horvatu. 10-17, H-1027 Budapest (HU).
 - (74) Agents: **KELLY, Robert H. et al.**; Novakov Davis & Munck, P.C., 900 Three Galleria Tower, 13155 Noel Road, Dallas, TX 75240 (US).
 - (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, 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, 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, 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.
- (88) Date of publication of the international search report:**
5 July 2001

[Continued on next page]

(54) Title: APPARATUS AND METHOD FOR INTERNET ADVERTISING



(57) Abstract: Apparatus, and an associated method, provides OOB (out-of-band) and other asynchronous messages to a mobile client. OOB and other asynchronous messages formed of alerts, notifications, push messages, advertising, as well as many other types of messages, are able to be provided to the client. The OOB and other asynchronous messages are provided to the client by a gateway, such as a WAP gateway operable in a communication system pursuant to the WAP standard.



WO 00/78005 A3



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.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 00/16359

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>KRELLER B ET AL: "UMTS: A MIDDLEWARE ARCHITECTURE AND MOBILE API APPROACH" IEEE PERSONAL COMMUNICATIONS,US,IEEE COMMUNICATIONS SOCIETY, vol. 5, no. 2, 1 April 1998 (1998-04-01), pages 32-38, XP000751833 ISSN: 1070-9916 page 35 figure 4</p>	6,7
A	<p>US 5 848 396 A (GERACE THOMAS A) 8 December 1998 (1998-12-08) column 10, line 39 - line 47 column 17, line 18 - line 37</p>	1-36
A	<p>ERLANDSON C ET AL: "WAP - THE WIRELESS APPLICATION PROTOCOL" ERICSSON REVIEW,SE,ERICSSON. STOCKHOLM, no. 4, 1998, pages 150-153, XP000792053 ISSN: 0014-0171 the whole document</p>	1-36

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/16359

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9909486 A	25-02-1999	AU 9026598 A	08-03-1999
WO 9847090 A	22-10-1998	AU 7133798 A	11-11-1998
US 5848396 A	08-12-1998	CA 2252568 A	06-11-1997
		EP 0895685 A	10-02-1999
		WO 9741673 A	06-11-1997
		US 5991735 A	23-11-1999