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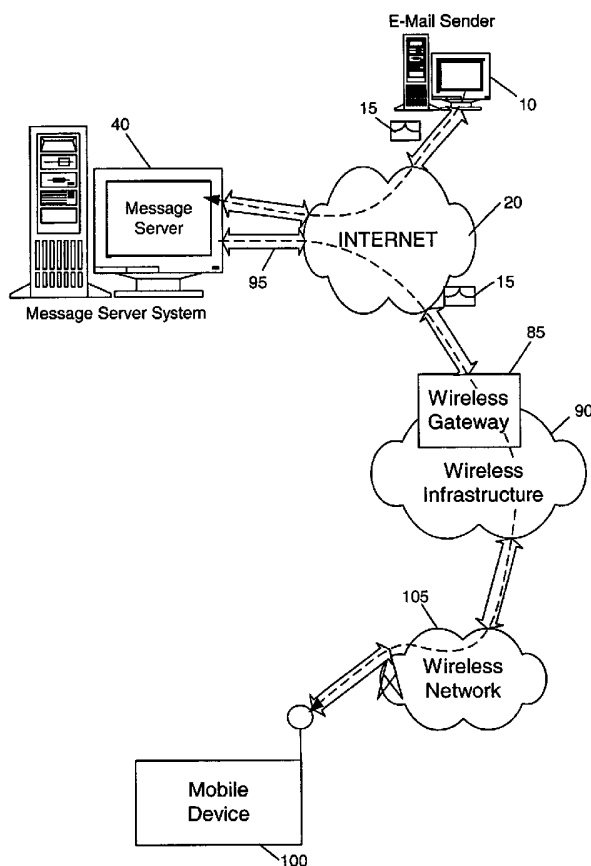
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(54) Title: SYSTEM AND METHOD FOR PROCESSING ENCODED MESSAGES



(57) Abstract: Systems and methods for processing encoded messages at a message receiver. A received message is decoded and stored in a memory. The stored decoded message can subsequently be displayed or otherwise processed without repeating the decoding operations. Decoding operations may include signature verification, decryption, other types of decoding, or some combination thereof.



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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).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations 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, 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)*
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INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/58

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 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, WPI Data, PAJ, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00 31931 A (ERICSSON TELEFON AB L M) 2 June 2000 (2000-06-02) the whole document ---	1-10, 13-15, 19-21, 24-34, 46-56
Y	STALE SCHUMACHER: "AutoPGP FAQ, Version 1" INTERNET NEWSGROUP, 'Online! 19 April 1994 (1994-04-19), XP002230742 alt.security.pgp Retrieved from the Internet: <URL:http://groups.google.com> 'retrieved on 2003-02-11! 3. Security issues 3.2 Once AutoPGP has decrypted ... --- -/--	1-10, 13-15, 19-21, 24-34, 46-56



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International Application No.

PCT/LA 02/01225

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	LEVIEN R: "PROTECTING INTERNET E-MAIL FROM PRYING EYES" DATA COMMUNICATIONS, MCGRAW HILL. NEW YORK, US, vol. 25, no. 6, 1 May 1996 (1996-05-01), pages 117-118,120,122, XP000587586 ISSN: 0363-6399 the whole document -----	1-58

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA 02/01225

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
WO 0031931	A	02-06-2000	AU 1590900 A	13-06-2000
			CN 1328735 T	26-12-2001
			EP 1133854 A1	19-09-2001
			WO 0031931 A1	02-06-2000
