

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 September 2005 (09.09.2005)

PCT

(10) International Publication Number
WO 2005/081802 A3

(51) International Patent Classification:
G06F 19/00 (2006.01)

(21) International Application Number:
PCT/US2005/004093

(22) International Filing Date:
10 February 2005 (10.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/547,115 24 February 2004 (24.02.2004) US
60/547,264 24 February 2004 (24.02.2004) US

(71) Applicant (for all designated States except US): **CARE-TOUCH COMMUNICATIONS, INC.** [US/US]; 1011 Walnut Street, Suite 400, Boulder, CO 80302 (US).

(71) Applicants and

(72) Inventors: **MCCULLOCH, William, R.** [US/US]; 3321 Copper Avenue, Broomfield, CO 80020 (US). **LUND, Craig, J.** [US/US]; 695 West Sagebrush Drive, Louisville, CO 80027 (US).

(74) Agents: **RIETH, Damon, A.** et al.; Faegre & Benson LLP, 2200 Wells Fargo Center, 90 South Seventh Street, Minneapolis, MN 55402 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

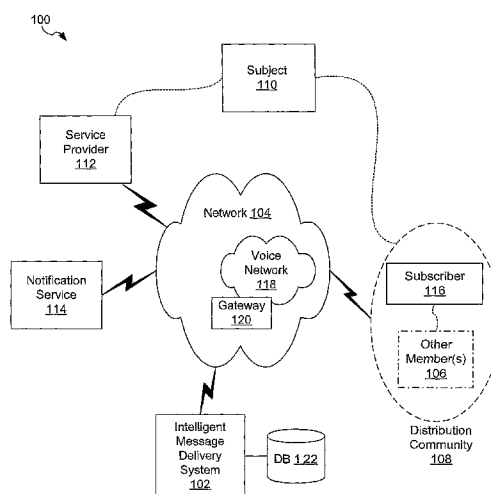
Published:

— 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

(88) Date of publication of the international search report:
6 December 2007

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: INTELLIGENT MESSAGE DELIVERY SYSTEM



(57) Abstract: A system for delivering messages to a subscriber of a notification application. The system includes a plurality of available script templates defining formats for scripts, a message builder receiving application-specific data and building a script based on a previously unused script template, and merging the application-specific data with the script, and a message delivery module causing a human-understandable message to be delivered to the subscriber, the human-understandable message being generated from the script. A method for delivering a message to a recipient includes receiving an application message including one or more codes corresponding to script segments, mapping each of the codes to an associated script segment from a script component data set, the script component data set including a set of script segments that express a common meaning with a different phrase, generating a script composed of the associated script segments, and causing a human-understandable message to be delivered to the recipient, wherein the human-understandable message is based on the generated script.



WO 2005/081802 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/04093

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **G06F 19/00**(2006.01)

USPC: 705/3

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)

U.S. : 705/2,3

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 practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/0032248 A1 (Krafchin) 18 October 2001 (18.10.2001), Abstract, paragraphs [0006]-[0007], [0022]-[0025], [0050], [0080]-[0084].	1-23
A	US 2002/0046062 A1 (Kameda) 18 April 2002 (18.04.2002), Abstract, paragraphs [0007] [0013]-[0016] [0020]-[0025] [0057]-[0060] [0100] [0101].	1-23
A	US 6,260,059 B1 (Ueno et al.) 10 July 2001 (10.07.2001), Abstract, col. 2, lines 37-65, col. 3, lines 15-67.	1-23
A	US 2001/0032278 A1 (Brown et al.) 18 October 2001 (18.10.2001) Abstract and paragraphs [0035]-[0040].	1-23

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A"	document defining the general state of the art which is not considered to be of particular relevance	"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
"E"	earlier application or patent published on or after the international filing date	"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
"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)	"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
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

24 June 2007 (24.06.2007)

Date of mailing of the international search report

27 SEP 2007

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (571) 273-3201

Authorized officer

Joseph Thomas
Telephone No. 571-272-3600

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/04093

Continuation of B. FIELDS SEARCHED Item 3:

EAST: US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

search terms: code(s), match, correspond, associate, script(s) build, generate, send, receive, message, email