

(51) International Patent Classification:
G06F 15/16 (2006.01)(21) International Application Number:
PCT/US2012/025906(22) International Filing Date:
21 February 2012 (21.02.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
13/037,886 1 March 2011 (01.03.2011) US(71) Applicant (for all designated States except US): **TYCO
HEALTHCARE GROUP LP** [US/US]; 15 Hampshire
Street, Mansfield, MA 02048 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GAINES, Robert, B.**
[US/US]; 1010 Marions Cove Drive, Lake St. Louis, MO
63367 (US). **WIESNER, Joel, D.** [US/US]; 1110 Tree-
shade Drive, St. Peters, MO 63376 (US). **BANKERT,
Shawn** [US/US]; 21 Pratt Lane, North Attleboro, MA
02760 (US).(74) Agents: **WINSOR, Lisa, E.** et al.; Tyco Healthcare Group
LP, 15 Hampshire Street, Mansfield, MA 02048 (US).(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU,
TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE,
DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

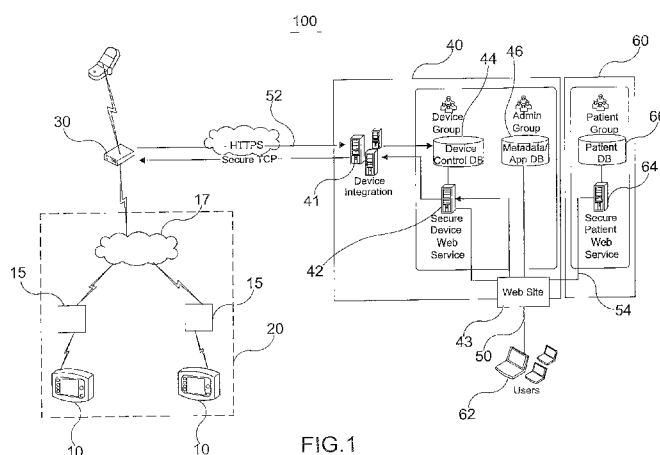
— without international search report and to be republished
upon receipt of that report (Rule 48.2(g))(54) Title: REMOTE MONITORING SYSTEMS FOR MONITORING MEDICAL DEVICES VIA WIRELESS COMMUNICA-
TION NETWORKS

FIG. 1

(57) Abstract: A remote monitoring system for monitoring a plurality of medical devices at a patient care or home care facility. The system includes a device integration server in communication with wireless relay modules for receiving data packets from the medical devices including an identifier and data for each medical device. The system also includes a data management system and an out-bound web server. The data management system is configured to log data for the medical devices. The web server is configured to provide webpages including the data of the medical devices for display on a remote monitoring computer, subject to authentication of an associated data request from the monitoring computer. The Web server is configurable to look up patient information from a secure source when user has appropriate permissions. In addition, the device integration server is configured to process alert messages received from the wireless relay modules and, in response, to transmit text message information to the wireless relay modules to be relayed to one or more text messaging recipients.