

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 November 2010 (18.11.2010)

(10) International Publication Number
WO 2010/132761 A8

(51) International Patent Classification:
H04L 29/06 (2006.01)

(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, NL, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, 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.

(21) International Application Number:
PCT/US2010/034889

(22) International Filing Date:
14 May 2010 (14.05.2010)

(25) Filing Language:
English

(26) Publication Language:
English

(30) Priority Data:
61/178,757 15 May 2009 (15.05.2009) US

(71) Applicant (for all designated States except US): **FISHER-ROSEMOUNT SYSTEMS, INC.** [US/US]; 12301 Research Boulevard, Research Park Plaza Building III, Austin, TX 78759 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CITRANO, Joseph, III** [US/US]; 9712 Geisler Road, Eden Prairie, MN 55347 (US). **TOEPKE, Todd, M.** [US/US]; 9898 Dell Road, Eden Prairie, MN 55347 (US). **DEWEY, Alan, R.** [US/US]; 14800-38th Place North, Plymouth, MN 55446 (US). **RUSSELL, Alden, C., III** [US/US]; 4655 Ellerdale Road, Minnetonka, MN 55345 (US). **ROTVOLD, Eric, D.** [US/US]; 8450 Ann Marie Trail, Inver Grove Heights, MN 55077 (US).

(74) Agents: **CHRISTENSON, Christopher, R.** et al.; Westman, Champlin & Kelly, P.A., 900 Second Avenue South, Suite 1400, Minneapolis, MN 55402-3319 (US).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, 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, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

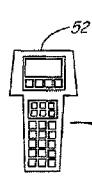
(88) Date of publication of the international search report:
6 January 2011

(48) Date of publication of this corrected version:
17 March 2011

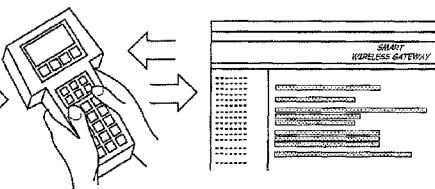
(15) Information about Correction:
see Notice of 17 March 2011

(54) Title: IMPROVED MAINTENANCE OF WIRELESS FIELD DEVICES

1. CONNECT TO DEVICE



2. SELECT OR INPUT THE WIRELESS NETWORK IT WILL JOIN

**FIG. 3**

(57) Abstract: A method (200) of commissioning a wireless field device (50) is provided. The method (200) includes communicatively coupling (202) a handheld field maintenance tool (100) to the wireless field device (50) to obtain a wireless field device identifier (204). A wireless network is selected. Wireless communication is generated between the handheld field maintenance tool (100) and a wireless gateway (20) to automatically obtain a join key (208) for the wireless field device identifier. The join key is written (210) to the wireless field device (50) with the handheld field maintenance tool (100).