

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
25 April 2013 (25.04.2013)

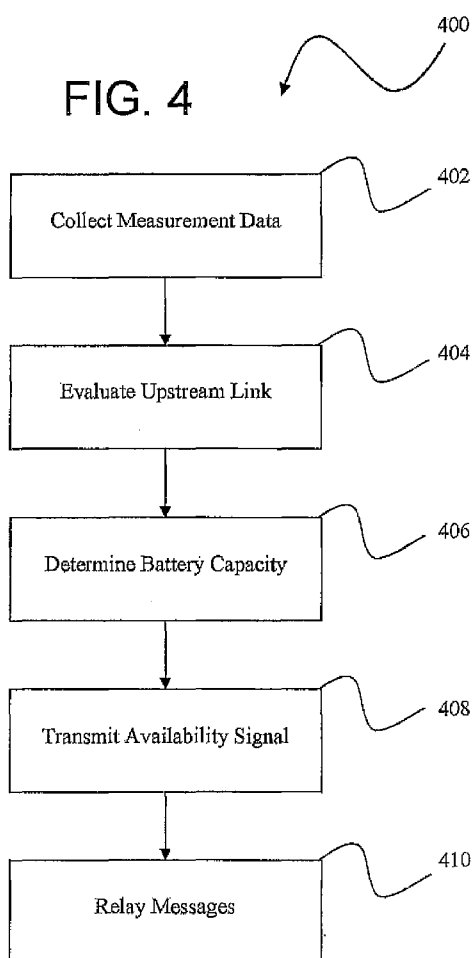


(10) International Publication Number
WO 2013/058793 A8

- (51) International Patent Classification:
H04B 7/15 (2006.01)
- (21) International Application Number:
PCT/US2011/062810
- (22) International Filing Date:
1 December 2011 (01.12.2011)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
13/275,863 18 October 2011 (18.10.2011) US
2755450 20 October 2011 (20.10.2011) CA
- (71) Applicant (for all designated States except US): **ITRON, INC.** [US/US]; 2111 N. Molter Road, Liberty Lake, Washington 99019 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **CUMERALTO, Scott** [US/US]; 9920 Holman, Spokane, Washington 99206 (US).
- (74) Agent: **MOOSE, Richard, M.**; Dority & Manning, P.A., P.O. Box 1449, Greenville, South Carolina 29602-1449 (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,

[Continued on next page]

(54) Title: ENDPOINT REPEATER FUNCTIONALITY SELECTION



(57) Abstract: Disclosed are apparatus and methodology for improving communications among battery operated network endpoints and a central facility. A battery operated endpoint may determine its remaining battery capacity and decide whether is it able to provide message repeating services to other endpoints within the network. The endpoint may make such decision based also on it own communications reliability to a central facility either directly or via other endpoints operating as repeaters.



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:

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

- (48) **Date of publication of this corrected version:**

26 June 2014

- (15) **Information about Correction:**

see Notice of 26 June 2014