



- (51) **International Patent Classification:**
H04W 74/08 (2009.01) *H04W 88/02* (2009.01)
- (21) **International Application Number:**
PCT/US2012/023016
- (22) **International Filing Date:**
27 January 2012 (27.01.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
11188908.5 11 November 2011 (11.11.2011) EP
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(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,

[Continued on next page]

(54) **Title:** MULTI-CHANNEL, MULTI-MODULATION, MULTI-RATE COMMUNICATION WITH A RADIO TRANSCEIVER

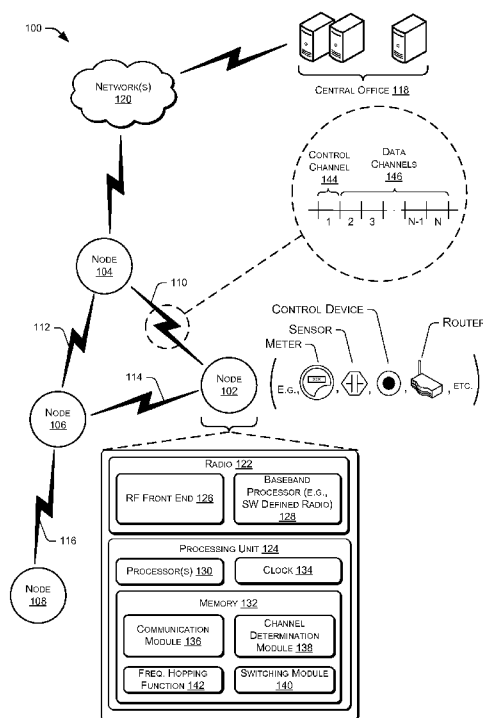


FIG. 1

(57) **Abstract:** Techniques for communicating via a control channel, determining a particular data channel based on the communicating, and transferring data via the particular data channel are described. One or more messages are communicated via the control channel between first and second nodes. The one or more messages may indicate a particular data channel from multiple data channels that may be utilized to transfer data between the first and second nodes. The one or more messages may also indicate a modulation technique and/or data rate that may be implemented on the particular data channel. The one or more messages may be utilized to determine the particular data channel that will be utilized to transfer the data. The first and second nodes may switch to the particular data channel based on the determination and transfer the data via the particular data channel. In some instances, the data is transferred based on the modulation technique and/or data rate indicated in the one or more messages.



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))*