



- (51) **International Patent Classification:**
H04W 16/26 (2009.01) *H04L 1/16* (2006.01)
- (21) **International Application Number:**
PCT/CN2015/072434
- (22) **International Filing Date:**
6 February 2015 (06.02.2015)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (71) **Applicant:** PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA [US/US]; 20000 Mariner Avenue, Suite 200, Torrance, California 90503 (US).
- (72) **Inventors:** GAO, Chi; c/o Panasonic R&D Center China Co., Ltd., 15F, Tower F PhoenixPlace, 5A Shuguang Xili, Chaoyang District, Beijing 100028 (CN). SUZUKI, Hide-toshi; c/o Panasonic Corporation, 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP). HOSHINO, Masay-uki; c/o Panasonic Corporation, 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).
- (74) **Agent:** LIU, SHEN & ASSOCIATES; 10th Floor, Building 1, 10 Caihefang Road, Haidian District, Beijing 100080 (CN).

- (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, BN, 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, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, KM, ML, MR, NE, SN, TD, TG).

Published:

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

(54) **Title:** WIRELESS COMMUNICATION METHOD, ENODB AND USER EQUIPMENT

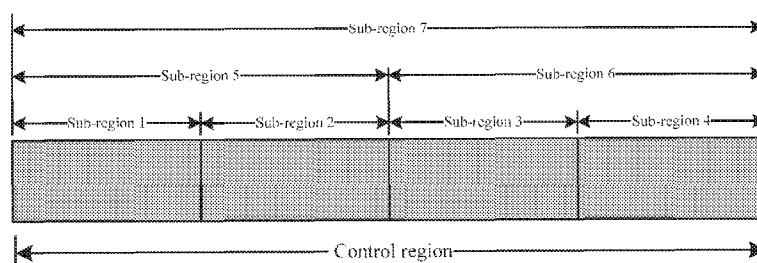


Fig. 1

(57) **Abstract:** Provided are wireless communication methods, an eNB and a UE. A wireless communication method performed by the eNB comprises transmitting repetitions of control channel(s) in a control region to a first UE in a coverage enhancement level, wherein the control region comprises multiple sub-regions each of which can be used to transmit repetitions of one control channel; possible sub-region(s) allocated from the multiple sub-regions for transmitting one control channel to the first UE in the coverage enhancement level start from the same subframe; and the possible sub-region(s) for the first UE in the specific coverage enhancement level constitute a subset of a set of available sub-regions for the coverage enhancement level in the eNB's perspective.