

(51) International Patent Classification:
H04L 1/12 (2006.01) *H04L 1/18* (2006.01)(21) International Application Number:
PCT/IB2020/059259(22) International Filing Date:
02 October 2020 (02.10.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/910,741 04 October 2019 (04.10.2019) US(71) Applicant: **TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)** [SE/SE]; 164 83 Stockholm (SE).(72) Inventors: **SIOMINA, Iana**; Näsbyvägen 10, 183 30 Täby (SE). **AXMON, Joakim**; Hattsnäcksgränd 1, apt 1301, 216 31 Limhamn (SE). **KAZMI, Muhammad**; Skrivargatan 7, 174 64 Sundbyberg (SE).(74) Agent: **MOEN, Jenni R.**; Baker Botts, LLP, 2001 Ross Avenue, Suite 600, Dallas, Texas 75201 (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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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,

(54) Title: METHODS FOR ADAPTIVE USER EQUIPMENT BEHAVIOR FOR CELL RECONFIGURATION IN NR-U

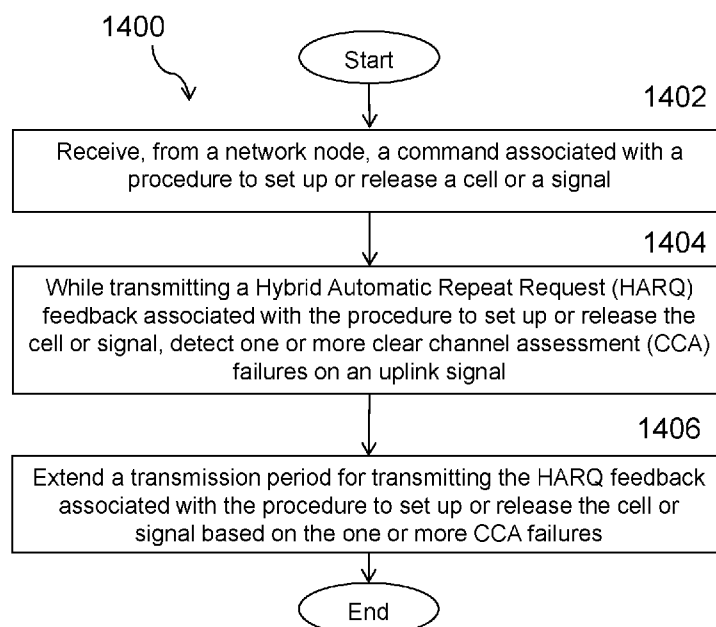


FIGURE 11

(57) **Abstract:** A method by a wireless device includes receiving, from a network node, a command associated with a procedure to setup or release a cell or a signal. While transmitting a Hybrid Automatic Repeat Request (HARQ), feedback associated with the procedure to setup or release the cell or signal, the wireless device detects one or more clear channel assessment (CCA) failures on an uplink signal. The wireless device extends a transmission period for transmitting the HARQ feedback associated with the procedure to setup or release the cell or signal based on the one or more CCA failures.



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))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*