



- (51) **International Patent Classification:**
H04W 36/00 (2009.01) *H04W 36/36* (2009.01)
- (21) **International Application Number:**
PCT/US2023/071565
- (22) **International Filing Date:**
03 August 2023 (03.08.2023)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
63/395,066 04 August 2022 (04.08.2022) US
- (71) **Applicant: INTERDIGITAL PATENT HOLDINGS, INC.** [US/US]; 200 Bellevue Parkway, Suite 300, Wilmington, Delaware 19809 (US).
- (72) **Inventors: MARINIER, Paul;** 1000 Sherbrooke Street, 10th Floor, Montreal, Québec H3A 3G4 (CA). **MARTIN, Brian;** 64 Great Eastern Street, London Greater London EC2A 3QR (GB). **KUBOTA, Keiichi;** Branz Futakotamagawa Terrace 102, Setagaya-Ku, Tokyo 158-0094 (JP). **TEYEB, Oumer;** 1000 Sherbrooke Street West, 10th Floor, Montreal, Québec H3A 3G4 (CA). **FREDA, Martino;** 1000 Sherbrooke Street West, 10th Floor, Montreal, Québec H3A 3G4 (CA).
- (74) **Agent: ORITI, Joseph F. et al.;** Flaster Greenberg, P.C., 1717 Arch Street, Suite 3300, Philadelphia, Pennsylvania 19103 (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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,

(54) **Title:** TECHNIQUES FOR RELIABLE MOBILITY

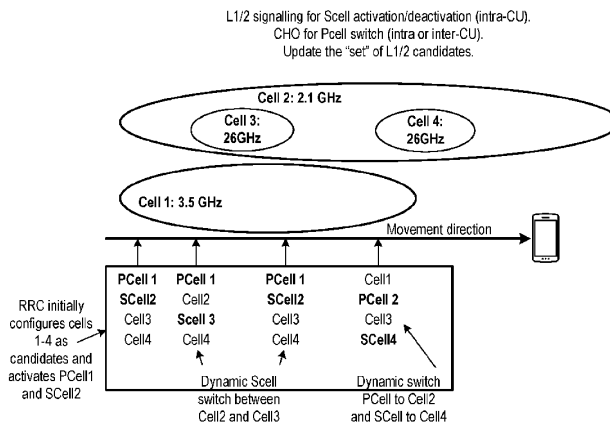


FIG. 4

(57) **Abstract:** A WTRU may receive configuration information for transitioning from a source cell to a target cell comprising at least one parameter. The WTRU may transmit an indication of one or more measurements associated with the source and target cell, and may receive signaling associated with the transition comprising at least one value for the at least parameter associated with the transitioning. The WTRU may transition to the target cell using the at least one value for the at least one parameter associated with the transitioning. Configuration information may be received via RRC signaling. The indication of one or more measurements may be transmitted via L1 and/or L2 signaling and may be via a CSI report. At least one parameter may comprise a RACH preamble, timing advance, C-RNTI, initial grant for the target cell, and or beam indication. The signaling may be received via a MAC CE and/or DCI signaling.

[Continued on next page]

HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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))*
- *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))*