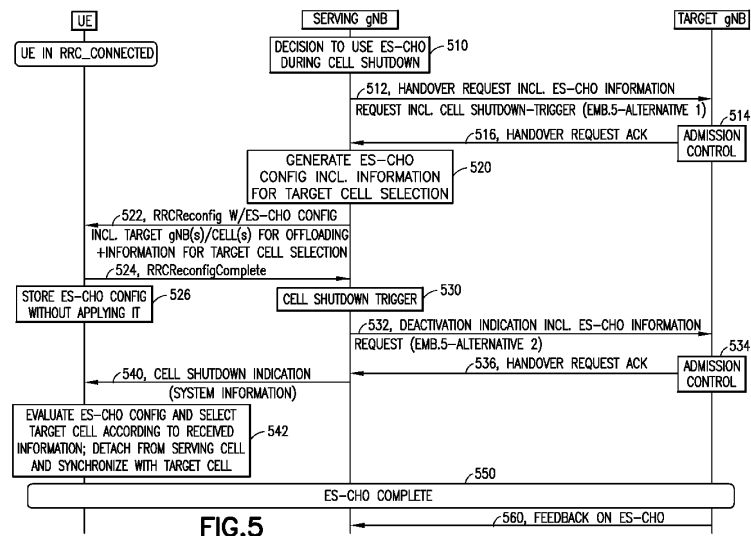




- (51) International Patent Classification:
H04W 36/16 (2009.01) *H04W 52/02* (2009.01)
- (21) International Application Number:
PCT/IB2023/052227
- (22) International Filing Date:
09 March 2023 (09.03.2023)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
63/318,464 10 March 2022 (10.03.2022) US
- (71) Applicant: **NOKIA TECHNOLOGIES OY** [FI/FI];
Karakaari 7, 02610 Espoo (FI).
- (72) Inventors: **LASELVA, Daniela**; Septembevej 1A, 9270
Klarup (DK). **PANTELIDOU, Anna**; 61 Avenue de la Di-
vision Leclerc, 92160 Antony (FR).
- (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,
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, 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,

(54) Title: CHO CONFIGURATION FOR FAST OFFLOADING DURING CELL SHUTDOWN



(57) **Abstract:** Systems, methods, apparatuses, and non-transitory computer-readable medium for conditional handover configuration for fast offloading during cell shutdown. For example, a method comprises receiving, with a user equipment from a serving cell, one or more handover configurations. The one or more handover configurations comprises an energy saving conditional handover configuration. At least one of the one or more handover configurations comprises at least one of: an indication of one or more candidate target cells, or information for target cell selection. The method also comprises receiving, from the serving cell, an indication of activation of an energy saving mode at the serving cell. The method further comprises selecting a target cell, from the one or more candidate target cells, based, at least partially, on the one or more handover configurations and the received indication of activation of the energy saving mode at the serving cell.

[Continued on next page]

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))*