

(51) International Patent Classification:
H04W 72/08 (2009.01)(21) International Application Number:
PCT/US2011/032374(22) International Filing Date:
13 April 2011 (13.04.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/323,766 13 April 2010 (13.04.2010) US
13/082,124 7 April 2011 (07.04.2011) US

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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, RO, RS, RU, 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, 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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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))

(54) Title: METHOD AND APPARATUS FOR INFERRING USER EQUIPMENT INTERFERENCE SUPPRESSION CAPABILITY FROM MEASUREMENTS REPORT

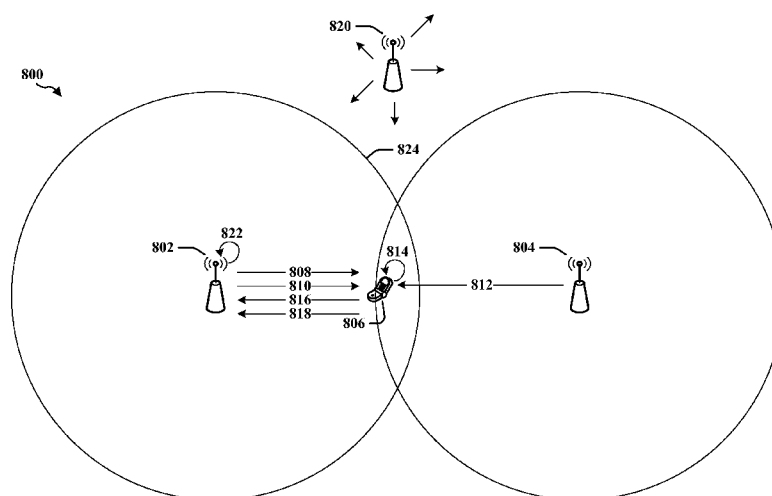


FIG. 8

(57) Abstract: UE that are able to cancel interference from CRS, a PDSCH, a PDCCH, or a PCFICH may do so without explicitly signaling the capability to the serving eNB. The serving eNB may transmit to the UE a plurality of cell identifiers to indicate from which cells interference should be canceled. The UE receives CRS, PDSCH, PDCCH, or PCFICH from the serving eNB and cancels CRS, PDSCH, PDCCH, or PCFICH interference, respectively from the signal received from the eNB. The UE cancels the interference from the cells that correspond to the cell identifiers. The UE may then transmit a report to the eNB with a quality measurement without the interference.