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[Continued on next page]

(54) Title: UPLINK SDMA PILOT ESTIMATION

(57) Abstract: Systems and/or methods for communications wherein a plurality of spatial streams are received. Each of these spatial streams comprises a symbol having at least one phase shifted pilot signal. The Minimum Mean Square Error (MMSE) estimates of the phase shifted pilot signals are computed and the MMSE estimates are used to estimate phase errors for the symbols.

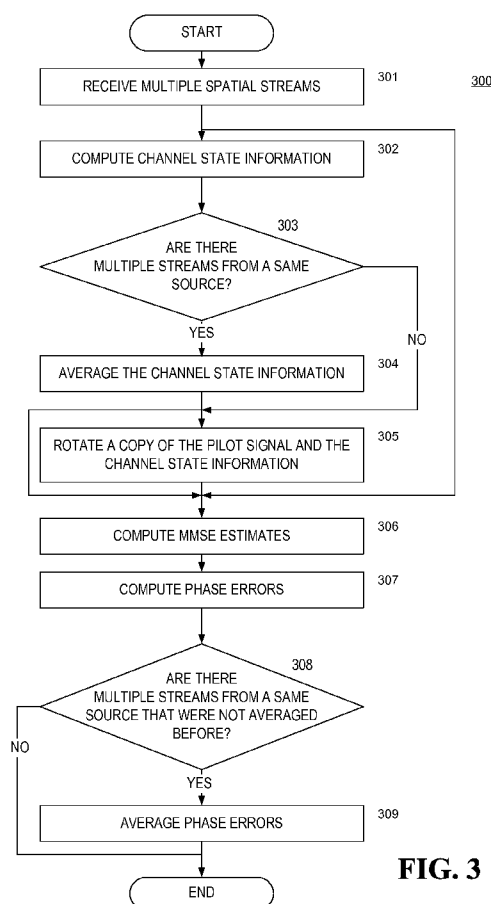


FIG. 3



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, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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