

(51) International Patent Classification:
H04L 5/00 (2006.01)(21) International Application Number:
PCT/US2010/045547(22) International Filing Date:
13 August 2010 (13.08.2010)

(25) Filing Language: English

(26) Publication Language: English

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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, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

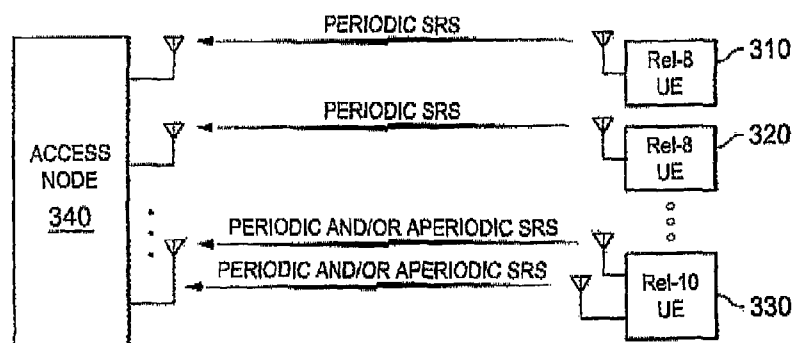
Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

— with international search report (Art. 21(3))

(54) Title: METHOD OF RESOURCE ALLOCATION AND SIGNALING FOR APERIODIC CHANNEL SOUNDING

**FIG. 3**

(57) Abstract: A method for resource allocation. The method includes signaling a set of SRS subframes in which an SRS can be transmitted, wherein a UE not capable of aperiodic SRS transmission can be instructed to transmit periodic SRS in any of the SRS subframes. The method further includes signaling which of the SRS subframes are to be used for periodic SRS transmissions and which are to be used for aperiodic SRS transmissions, wherein a periodic SRS transmission is an SRS transmission that is transmitted by a UE in a first subframe, the first subframe being determined at least by the subframe in which the UE transmitted a previous SRS and an SRS periodicity, and wherein an aperiodic SRS transmission is an SRS transmission that is transmitted by a UE in a second subframe, the second subframe being determined at least by a transmission on a physical control channel to the UE.