

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 July 2008 (17.07.2008)

PCT

(10) International Publication Number
WO 2008/086481 A1

(51) International Patent Classification:
H04J 11/00 (2006.01) **H04L 27/26** (2006.01)

(21) International Application Number:
PCT/US2008/050779

(22) International Filing Date: 10 January 2008 (10.01.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/884,403 10 January 2007 (10.01.2007) US
11/971,872 9 January 2008 (09.01.2008) US

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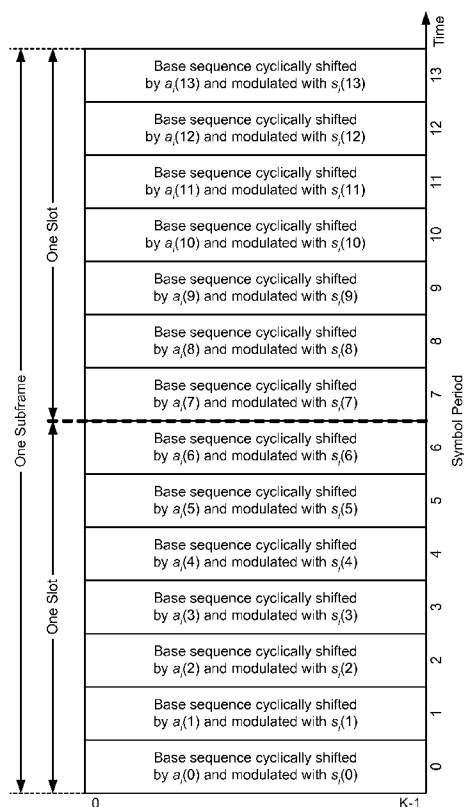
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL,

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(54) Title: TRANSMISSION OF INFORMATION USING CYCLICALLY SHIFTED SEQUENCES



(57) Abstract: Techniques for transmitting information using cyclically shifted sequences are described. In one design, first and second sequences may be generated by cyclically shifting a base sequence by first and second amounts, respectively. The base sequence may be a CAZAC sequence, a PN sequence, or some other sequence having good correlation properties. The cyclic shifts for the first and second sequences may be determined based on a hopping pattern. A first modulated sequence may be generated based on the first sequence and a first modulation symbol and may be sent in a first time interval. A second modulated sequence may be generated based on the second sequence and a second modulation symbol and may be sent in a second time interval. Each modulated sequence may be sent on K consecutive subcarriers using localized frequency division multiplexing (LFDMA).

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NO, PL, PT, RO, SE, SI, SK, 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*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*