

Title (en)

APPARATUS AND METHOD FOR DETERMINING USER CODE IN QUASI-SYNCHRONOUS CDMA SYSTEM, AND APPARATUS AND METHOD FOR GENERATING AND SPREADING USER CODE USING THE SAME

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BESTIMMUNG VON BENUTZERCODE IN EINEM QUASISYNCHRONEN CDMA-SYSTEM UND VORRICHTUNG UND VERFAHREN ZUM ERZEUGEN UND SPREIZEN VON BENUTZERCODE DAMIT

Title (fr)

APPAREIL ET PROCEDE POUR LA DETERMINATION DE CODE D'UTILISATEUR DANS UN SYSTEME A ACCES MULTIPLE PAR REPARTITION DE CODE (AMRC) QUASI-SYNCHRONE, ET APPAREIL ET PROCEDE POUR LA GENERATION ET L'ETALEMENT DE CODE D'UTILISATEUR METTANT EN OEUVRE UN TEL APPAREIL

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Application

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Priority

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Abstract (en)

[origin: WO2006014044A1] Provided are an apparatus and method for selecting a user code according to the number of access users in a quasi-synchronous CDMA system, and an apparatus and method for generating/spreading a user code using the same based on scrambling. The apparatus of the present researches minimize interference elements among user codes in a range of a synchronous error by classifying user codes into two code groups in a base station of a quasi-synchronous CDMA system, selecting a specific code group according to present access user numbers, transmitting the specific code group to a terminal, generating a user code according to the code group in the terminal, and using a scrambling code pattern minimizing a correlation characteristic among user codes. The user code selecting apparatus includes : an access user counting block for counting present access user number upon a user access/termination request signal from a terminal; a code group selecting/converting block for selecting a user to convert a code group of the present access user by checking a value of access user counting block upon a user access request signal from the terminal, selecting a corresponding user code group, and checking a value of the access user counting block and a code group of the termination request user upon a user access termination request signal from the terminal; and a code group selection/conversion signal transmitting block for transmitting the code group selection/conversion signal to the terminal upon a control of the code group selecting/converting block.

IPC 8 full level

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Citation (search report)

- [XYI] US 2002089950 A1 20020711 - SOUROUR ESSAM [US], et al
- [XYI] WO 9912284 A1 19990311 - ERICSSON TELEFON AB L M [SE]
- See references of WO 2006014044A1

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