

Title (en)

SYSTEM AND METHOD FOR WIRELESS CODE DIVISION MULTIPLE ACCESS COMMUNICATION

Title (de)

SYSTEM UND VERFAHREN FÜR DRAHTLOSE KODEMULTIPLEXKOMMUNIKATION

Title (fr)

SYSTEME ET PROCEDE DE COMMUNICATION A ACCES MULTIPLE PAR REPARTITION DE CODE SANS FIL

Publication

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Application

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- US 1356201 A 20011211

Abstract (en)

[origin: WO02071652A2] A system and method for wireless code division multiple access communication includes a method and apparatus for assigning a time slotted code division multiple access carrier for wireless reverse link communication between a device and a base station. One or more performance characteristics corresponding to the device are determined. A code division multiple access spreading code is assigned based on the determined performance characteristics. A time slot for communication with the base station is assigned based on the assigned spreading code. According to one aspect, the assigned spreading code corresponds to one of an SCDMA code and an ACDMA code such that a time slot corresponding to an SCDMA code provides a time slot in which the base station. An increase in channel gain and an increase in channel capacity result as compared with a system where time slots support mixed ACDMA and SCDMA codes.

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