

Title (en)

METHOD AND APPARATUS FOR REPEAT TRANSMISSIONS IN A WIRELESS COMMUNICATION SYSTEM WITH CIPHERING

Title (de)

VERFAHREN UND VORRICHTUNG FÜR WIEDERHOLTE ÜBERTRAGUNGEN IN EINEM DRAHTLOSEN KOMMUNIKATIONSSYSTEM MIT VERSCHLÜSSELUNG

Title (fr)

PROCÉDÉ ET APPAREIL DE RÉPÉTITION DE TRANSMISSIONS DANS SYSTÈME DE COMMUNICATION SANS FIL AVEC CHIFFREMENT

Publication

EP 2798765 A1 20141105 (EN)

Application

EP 12798515 A 20121116

Priority

- US 201161581339 P 20111229
- US 2012065399 W 20121116

Abstract (en)

[origin: WO2013101355A1] A method and apparatus are provided for data block re-transmission in wireless communication systems that encrypt slots on the basis of slot and frame number. A first data block is encrypted on the basis of the timing of a first transmission time slot, in which the first data block will be transmitted. In re-transmission, a second data block containing the same data as the first data block is provided. Encryption of the second data block is based on the timing of the first transmission time slot. The second data block is then transmitted in a second transmission time slot. A receiver uses information about the timing of the first transmission timeslot when decrypting the received version of the second block. Soft combining can therefore be used by a receiver.

IPC 8 full level

H04L 1/18 (2006.01); **H04L 9/06** (2006.01); **H04L 9/12** (2006.01)

CPC (source: EP)

H04L 1/1816 (2013.01); **H04L 9/065** (2013.01); **H04L 9/12** (2013.01); **H04W 12/02** (2013.01); **H04L 2209/80** (2013.01); **H04W 12/61** (2021.01)

Citation (search report)

See references of WO 2013101355A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013101355 A1 20130704; EP 2798765 A1 20141105

DOCDB simple family (application)

US 2012065399 W 20121116; EP 12798515 A 20121116