

Title (en)

METHOD FOR THE RAPID SYNCHRONISATION OF A DEVICE FOR RECEIVING SCRAMBLED DATA, USING AN OPTIMISED CALCULATION OF A SYNCHRONISATION VALUE

Title (de)

VERFAHREN ZUR SCHNELLEN SYNCHRONISATION EINER VORRICHTUNG ZUM EMPFANG VON VESCHLÜSSELTEN DATEN UNTER VERWENDUNG EINER OPTIMIERTEN BERECHNUNG EINES SYNCHRONISIERUNGSWERTES

Title (fr)

PROCEDE DE SYNCHRONISATION RAPIDE D'UN DISPOSITIF DE RECEPTION DE DONNEES BROUILLEES AU MOYEN D'UN CALCUL OPTIMISE D'UNE VALEUR DE SYNCHRONISATION

Publication

EP 1730848 A1 20061213 (FR)

Application

EP 05739488 A 20050310

Priority

- FR 2005000580 W 20050310
- FR 0403393 A 20040331

Abstract (en)

[origin: WO2005107091A1] The invention relates to a method of synchronising a device for receiving scrambled data, using at least one periodic scrambling sequence which is divided into K time intervals (20, 22), each interval comprising N bit periods (21) known as symbols. In particular, one such method comprises a step consisting in calculating a synchronisation value of at least one polynomial that generates the aforementioned scrambling sequence within a pre-determined synchronisation time interval and synchronisation bit period. The invention is advantageously characterised in that, during the calculation step, the sequence is progressed through at increments of at least one time interval and at least one bit period, using a matrix calculation of the synchronisation value.

IPC 8 full level

H04B 1/707 (2011.01)

CPC (source: EP US)

H04B 1/70756 (2013.01 - EP US); **H04B 2201/70707** (2013.01 - EP US)

Citation (search report)

See references of WO 2005107091A1

Cited by

US6231573B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2868635 A1 20051007; FR 2868635 B1 20060728; EP 1730848 A1 20061213; US 2009010431 A1 20090108; US 8270551 B2 20120918; WO 2005107091 A1 20051110

DOCDB simple family (application)

FR 0403393 A 20040331; EP 05739488 A 20050310; FR 2005000580 W 20050310; US 54722005 A 20050310