

Title (en)

Method and data frame structure for the digital transmission of information with quasi-seamless switch to an alternative frequency

Title (de)

Verfahren und Datenrahmenstruktur zur digitalen Nachrichtenübertragung mit quasi-nahtlosem Umschalten auf alternative Frequenzen

Title (fr)

Méthode et structure de trame de données pour la transmission numérique d'information avec passage quasi-transparent à une fréquence alternative

Publication

EP 0994586 B1 20070606 (EN)

Application

EP 98119400 A 19981014

Priority

EP 98119400 A 19981014

Abstract (en)

[origin: EP0994586A1] For a digital transmission information system, in particular broadcast systems that deliver the same services in adjacent areas on different frequencies like DAB, video and data transmission in LF-, MF- or HF ranges, the invention proposes criterias to switch to alternative frequencies without losing the service (seamless switch). The transmission system is defined such that the receiver is able to test the alternative frequencies without losing any relevant information on the current tuned frequency. The signal in the air consists of two parts, i.e. a continuous data-channel (SDC) like audio with interleaving in time but not repeated, and a static data-channel (SDC) including information about the service, multiplex configuration, program type, transmitter ID, service ID and alternative frequency list. During the static data-channel, the receiver has the time to check alternative frequencies without losing relevant information data. <IMAGE>

IPC 8 full level

H04H 20/26 (2008.01)

CPC (source: EP)

H04H 20/26 (2013.01)

Cited by

KR101016143B1; US8018830B2; US6522866B1; WO0122632A1; WO2007033866A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0994586 A1 20000419; EP 0994586 B1 20070606; DE 69837881 D1 20070719; DE 69837881 T2 20080228

DOCDB simple family (application)

EP 98119400 A 19981014; DE 69837881 T 19981014