

Title (en)

Enhanced error protection for packet-based service delivery in digital broadcasting systems

Title (de)

Verbesserter Fehlerschutz für paketbasierte Dienstlieferung in digitalen Rundfunksystemen

Title (fr)

Protection améliorée contre les erreurs pour la délivrance de services à base de paquets dans les systèmes de radiodiffusion numérique

Publication

**EP 1566905 A1 20050824 (EN)**

Application

**EP 04003634 A 20040218**

Priority

EP 04003634 A 20040218

Abstract (en)

The present invention relates to a data packet structure defining a data packet of predetermined length for the transmission of a data stream in a digital audio broadcasting system, such as DAB or DRM. Further the present invention provides methods for transmitting and receiving packets using the data packet structure, as well as a corresponding transmitter and receiver. Moreover the present invention provides a digital broadcasting system using the data packet structure. To increase the number of data packets of which undamaged data can be derived under identical reception condition the present invention introduces additional error control coding for a packet based digital audio broadcasting transport mechanism. The proposed solution provides a fully back-wards compatible way i.e. does not require any changes to conventional receivers, to reconstruct application data from even erroneously received data packets, <IMAGE>

IPC 1-7

**H04H 1/00**

IPC 8 full level

**H04H 1/00** (2006.01); **H04H 20/95** (2008.01)

CPC (source: EP)

**H04H 20/95** (2013.01)

Citation (search report)

- [X] EP 0969614 A2 20000105 - BOSCH GMBH ROBERT [DE]
- [A] "European Broadcasting Union EBU Union Européenne de Radio-Télévision UER Radio broadcasting systems; Digital Audio Broadcasting (DAB) to mobile, portable and fixed receivers; DRAFT prETS 300 401", ETSI STANDARDS, EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE, SOPHIA-ANTIPO, FR, vol. BC, no. Second Edition, June 1996 (1996-06-01), XP002288737, ISSN: 0000-0001

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Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1566905 A1 20050824**

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