Title (en)
SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR MITIGATING BURST NOISE IN A COMMUNICATIONS SYSTEM

Title (de)
SYSTEM, VERFAHREN UND COMPUTERPROGRAMMPRODUKT ZUM VERRINGERN VON BURST-RAUSCHEN IN EINEM KOMMUNIKATIONSSYSTEM

Title (fr)
SYSTEME, PROCEDE ET PRODUIT DE PROGRAMME INFORMATIQUE POUR L'ATTENUATION DE BRUIT IMPULSIF DANS UN SYSTEME DE COMMUNICATIONS

Publication
EP 1410527 A4 20100421 (EN)

Application
EP 02780886 A 20020624

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- US 0220015 W 20020624
- US 29976801 P 20010622
- US 30810101 P 20010730
- US 17533002 A 20020620
- US 17534602 A 20020620

Abstract (en)
[origin: WO03001338A2] A system, method and computer program product is provided for mitigating the effects of burst noise on packets transmitted in a communications system. A transmitting device applies an outer code, which may include, for example, a block code, an exclusive OR (XOR) code, or a repetition code, to one or more packets prior to adaptation of the packets for transmission over the physical (PHY) layer of the communications system, wherein the PRY layer adaptation may include FEC encoding of individual packets. The outer coded packets are then separately transmitted over a channel of the communications system. A receiving device receives the outer coded packets, performs PRY level demodulation and optional FEC decoding of the packets, and then applies outer code decoding to the outer coded packets in order to restore packets that were erased during transmission due to burst noise or other impairments on the channel.

[origin: WO03001338A2] A method for transmitting packets of electronic information comprising: organizing one or more packets into a plurality of information segments (404); encoding the plurality of information segments in accordance with a block code to generate at least one parity segment (406, 408, 410); adapting each of the plurality of information segments and at least one parity segment for transmission over a channel of a communication system, wherein the adapting includes forward error correction encoding each of the plurality segment and at least one parity segments (406, 408, 410); and separately transmitting each of the plurality of information segments and at least one parity segment over a channel.

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H04L 1/0065 (2013.01); **H04L 1/08** (2013.01); **H04L 1/1812** (2013.01); **H04L 1/1877** (2013.01)

Citation (search report)
- [XI] GB 2216752 A 19891011 - CYCLOTOMICS INC [US]
- [I] WO 9802987 A1 19980122 - ERICSSON GE MOBILE INC [US]
- See references of WO 03001338A2

Citation (examination)
GB 2357017 A 20010606 - SAMSUNG ELECTRONICS CO LTD [KR]

Designated contracting state (EPC)
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