

Title (en)

COMMUNICATION SYSTEMS AND APPARATUS WITH SYNCHRONOUS ORTHOGONAL CODING

Title (de)

NACHRICHTENÜBERTRAGUNGSSYSTEME UND VORRICHTUNGEN MIT SYNCHRONER ORTHOGONALER KODIERUNG

Title (fr)

SYSTEME ET APPAREIL DE COMMUNICATION AVEC CODE ORTHOGONAL SYNCHRONE

Publication

EP 1190517 A4 20061004 (EN)

Application

EP 00941325 A 20000609

Priority

- US 0015988 W 20000609
- US 13859699 P 19990611

Abstract (en)

[origin: WO0077962A1] Code-multiplexed communications systems (100), apparatus, and methods include coders that encode and decode data streams with synchronous, substantially orthogonal codes. Code-multiplexed communications systems (100) encode data signals with such codes to control levels of decoding artifacts such as cross-talk at times or time intervals in which data is recovered. Some systems are based on synchronous, orthogonal codes that are obtained from complex orthogonal vectors. In an example, a three-level temporal-phase code that includes nine code chips and encodes and decodes data signals is a seven-channel communication system.

[origin: WO0077962A1] Code-multiplexed communication systems (100), apparatus, and methods include coders (Fig.1) that encode and decode data streams with synchronous, substantially orthogonal codes. Code-multiplexed communications systems (100) encode data signals with such codes to control levels of decoding artifacts such as cross-talk at times or time intervals in which data is recovered. Some systems are based on synchronous, orthogonal codes that are obtained from complex orthogonal vectors. In an example, a three-level temporal-phase code that includes nine code chips is used to encodes and decodes data signals is a seven-channel communication system.

IPC 1-7

H04J 11/00; **H04J 13/00**; **H04J 14/02**; **H04B 7/216**; **H04B 10/04**; **H04B 10/12**

IPC 8 full level

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CPC (source: EP)

H04J 14/005 (2013.01); **H04J 14/02** (2013.01); **H04J 13/004** (2013.01); **H04J 13/0077** (2013.01)

Citation (search report)

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- See also references of WO 0077962A1

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