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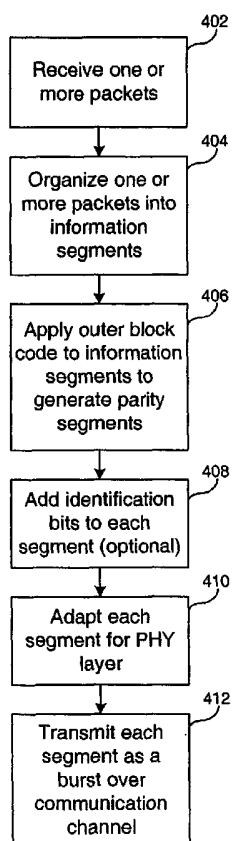
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[Continued on next page]

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



(57) Abstract: 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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# INTERNATIONAL SEARCH REPORT

International application No.

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04B 7/005, 1/44; H04J 3/00.

US CL : 370/278, 280, 282; 714/6.

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 370/278, 280, 282; 714/6.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EAST, FEC and Parity.

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	US 6,397,368 B1 (YONGE, III et al) 18 May 2002 (18.05.2002), figure 2, figure 3, figure 11, column 7 lines 35-60, column 8 lines 20-50.	1-96
X,P	US 6,421,387 B1 (RHEE) 16 July 2002 (16.07.2002), column 9, lines 25-60, column 11 lines 40-65.	1-96
A,P	US 6,370,669 B1 (EROZ et al) 09 April 2002 (09.04.2002), column 12, lines 25-55, column 13, lines 5-20.	1-96

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	
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