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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 segment (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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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : H04B 7/005, 1/44; H04J 3/00.

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)

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, FAL, Parity.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X,P</td>
<td>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.</td>
<td>1-96</td>
</tr>
</tbody>
</table>

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See patent family annex.

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