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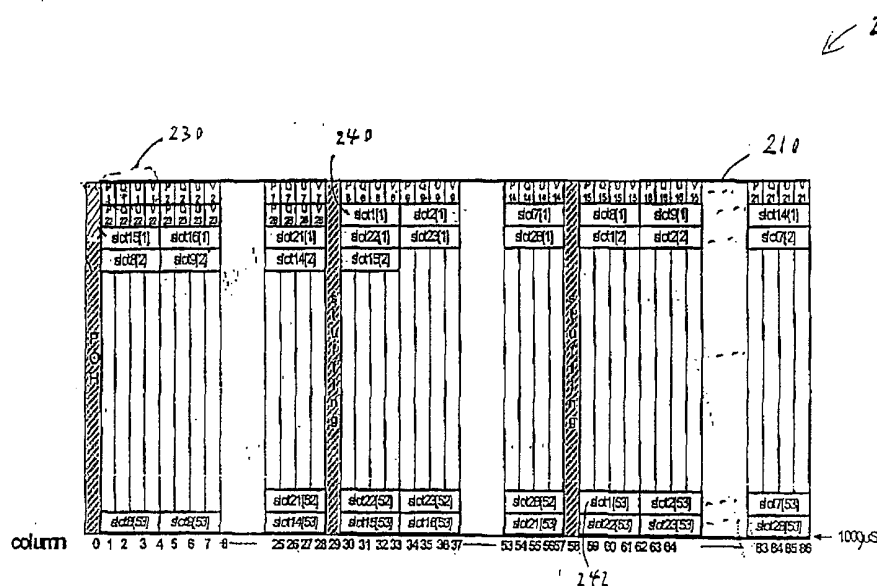
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM AND METHOD OF MAPPING FIXED-SIZE DATA PACKETS AND VARIABLE-SIZE DATA PACKETS OVER SONET AND SDH



(57) Abstract: A system and method of mapping fixed-size data packets and variable-size data packets over SONET and SDH is provided. The system and method of mapping fixed-size data packets over SONET and SDH includes buffering ATM cells (230) and mapping the ATM cells in a nxVT superframe (210). In a further embodiment, the mapping includes mapping four ATM cells per VT in the nxVT superframe (210). In a further embodiment, the mapping includes mapping 4n ATM cells in a sequence of byte flow in the nxVT superframe (210), where n is a positive integer. The system and method of mapping variable-size data packets over SONET and SDH includes encapsulating the packets in High-Level Data Link Control (HDLC) frames and mapping the HDLC frames in a nxVT superframe.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04J 3/00 ; H04J 3/02

US CL : 370/466; 370/476

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. : 370/466; 370/476

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,579,323 A (KRISHER) 26 NOVEMBER 1996, ALL	1-6
A	US 6,049,550 A (BAYDAR et al.) 11 APRIL 2000, ALL	1-6

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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