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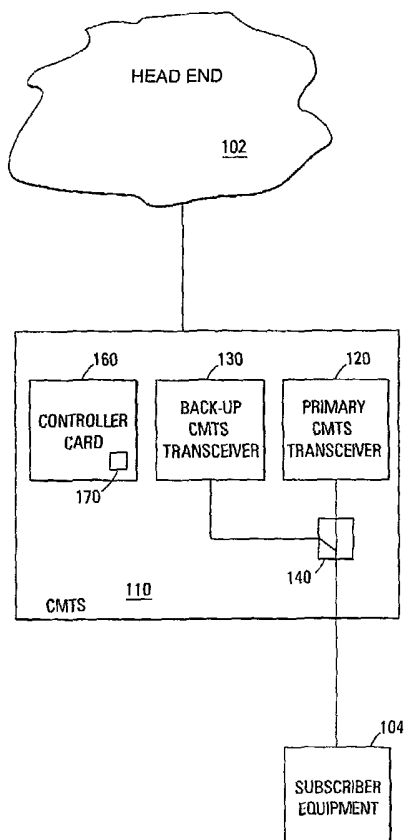
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[Continued on next page]

(54) Title: INCREASING CAPACITY IN A CABLE MODEM TERMINATION SYSTEM (CMTS) WITH PASSIVE REDUNDANCY



(57) Abstract: A method for adjusting bandwidth allocation in a cable modem termination system is provided. The method includes detecting an overflow condition at a primary transceiver (120) of the cable modem termination system, determining whether a backup transceiver (130) is available in the cable modem termination system, and when the backup transceiver is available, establishing at least one channel for the back-up transceiver to communicate over a common physical medium with at least one channel of the primary transceiver to effectively increase the bandwidth of the cable modem termination system.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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.

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 725/111

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/0038461 A1 (WHITE et al) 28 March 2002 (28.03.2002), see the entire document.	1-45
Y	US 6,137,793 A (GORMAN et al) 24 October 2000 (24.10.2000), column 25, line 60 to column 26, line 9.	1-4 and 18-32
Y	US 3,999,171 A (PARSONS) 21 December 1976 (21 December 1976), abstract and column 2, lines 43-49.	15-17

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

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