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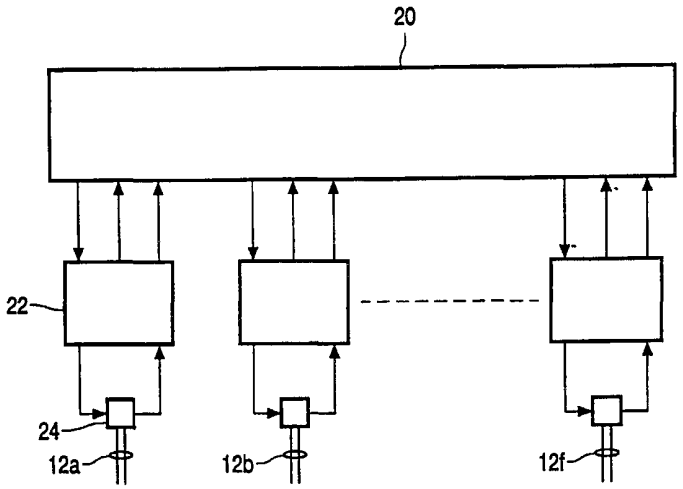
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMMUNICATION BUS SYSTEM



(57) Abstract: A station in a communication bus system, is connected to a signal transmission line. The station contain a wave splitter coupled to the transmission line and a transmission section coupled to an input of the wave splitter for transmitting an outgoing wave signal to travel out over the transmission line from the wave splitter. The station contains a reception section coupled to an output of the wave splitter for receiving an incoming wave signal that travels into the wave splitter from the connector. The station has a control unit being arranged to operate in different control modes, according to the presence or absence of a further apparatus connected to the transmission line, dependent on whether the reception section does not detect or does detect a reflection of a wave transmitted by the transmission section respectively.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L25/02 G06F13/40

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)
IPC 7 H03K H04L G06F

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 practical, search terms used)
EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 007, no. 180 (P-215), 9 August 1983 (1983-08-09) -& JP 58 082324 A (FUJI XEROX KK), 17 May 1983 (1983-05-17) abstract ---	1-4
X	PATENT ABSTRACTS OF JAPAN vol. 009, no. 053 (E-301), 7 March 1985 (1985-03-07) -& JP 59 191943 A (HITACHI SEISAKUSHO KK), 31 October 1984 (1984-10-31) abstract --- -/--	1-4

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
22 January 2002	05/02/2002

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 018, no. 195 (E-1533), 5 April 1994 (1994-04-05) -& JP 05 347588 A (NEC CORP), 27 December 1993 (1993-12-27) abstract	1-4
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Information on patent family members

Inter. onal Application No
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