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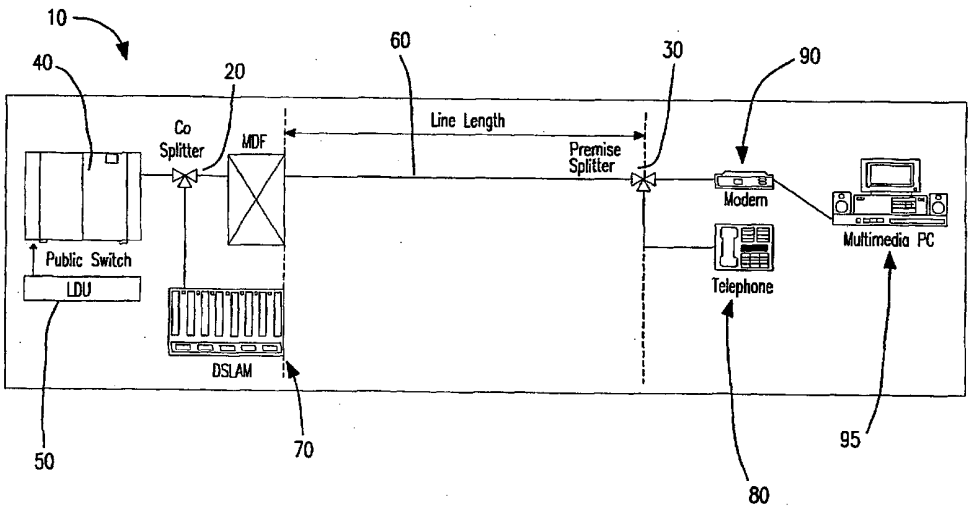
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(54) Title: METHOD AND APPARATUS FOR TERMINATION DETECTION IN AN ADSL ENVIRONMENT



(57) Abstract: A method and apparatus that will detect the presence of terminations in an ADSL environment is presented. The presently disclosed method and apparatus applies a slowly ramped voltage to the subscriber loop while measuring the current flow. The ramped voltage is able to pass through the inductors. The rate of current flow is discernible as the zener diodes of the Half Ringer, the Premises Splitter, and any Electronic Ringer start to conduct. Thus the detection in time (voltage) of devices that may be on the line under test is achieved. By analysis of a graph of the current in the line as the ramped voltage is applied, changes in the graph provide an indication that a termination is present. The location of the change in current with respect to the applied voltage provides an indication of the type of termination detected.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04M3/30 H04B3/46

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 H04M H04B

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)

INSPEC, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	"NETWORK AND CUSTOMER INSTALLATION INTERFACES - ASYMMETRIC DIGITAL SUBSCRIBER LINE (ADSL) METALLIC INTERFACE" , ANSI T1.413-1998. REVISION OF ANSI T1.413-1995. NETWORK AND CUSTOMER INSTALLATION INTERFACES - ASYMMETRIC DIGITAL SUBSCRIBER LINE (ADSL) METALLIC INTERFACE, XX, XX, PAGE(S) A-C,I-XIII,1-246 XP000955261 Annex E --- -/--	1-19

[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
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Name and mailing address of the ISA	Authorized officer
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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