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(54) **SYSTEM AND METHOD FOR ADAPTING A
PIECE OF TERMINAL EQUIPMENT**

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Entertainment Services and Technology Association (ESTA)—Rec-
ommended Practice for Ethernet Cabling Systems in Entertainment
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(57) **ABSTRACT**

(63) Continuation of application No. 10/668,708, filed on
Sep. 23, 2003, now Pat. No. 7,457,250, which is a
continuation of application No. 09/370,430, filed on
Aug. 9, 1999, now Pat. No. 6,650,622, which is a
continuation-in-part of application No.
PCT/US99/07846, filed on Apr. 8, 1999.

In accordance with the teachings of the present invention, a
communication system (17) is provided for generating and
monitoring data over pre-existing conductors (2A-2D)
between associated pieces of networked computer equipment
(3A-3D). The system includes a communication device (16)
attached to the electronic equipment that transmits informa-
tion to a central module (15) by impressing a low frequency
signal on the pre-existing data lines of the remotely located
equipment. A receiver (6) in the central module (15) monitors
the low frequency data on the data lines to determine the
transmitted information of the electronic equipment. The
communication device may also be powered by a low current
power signal from the central module (15). The power signal
to the communication device may also be fluctuated to pro-
vide useful information, such as status information, to the
communication device. Relocation of the electronic equip-
ment with attached communication device to another location
on the network is detected immediately and may be used to
update a database. This invention is particularly adapted to be
used with an existing Ethernet communications link or
equivalents thereof.

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10, 1998.

(51) **Int. Cl.**
H04L 12/12 (2006.01)
G08B 13/14 (2006.01)

(52) **U.S. Cl.** **370/241; 370/445; 340/568.1**

(58) **Field of Classification Search** None
See application file for complete search history.

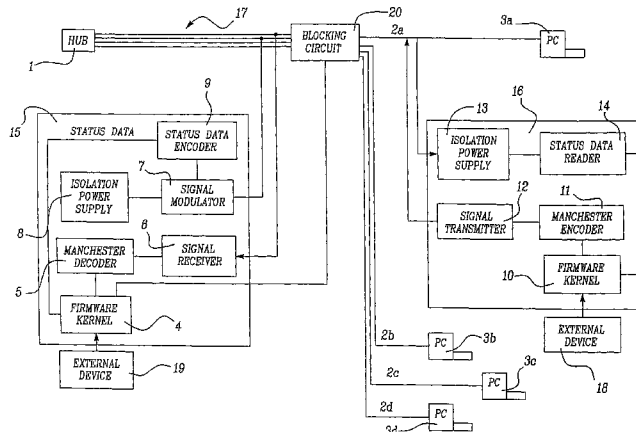
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148 Claims, 13 Drawing Sheets



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