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(54) Title: REMOTE CABLE ACCESS POINT RESET

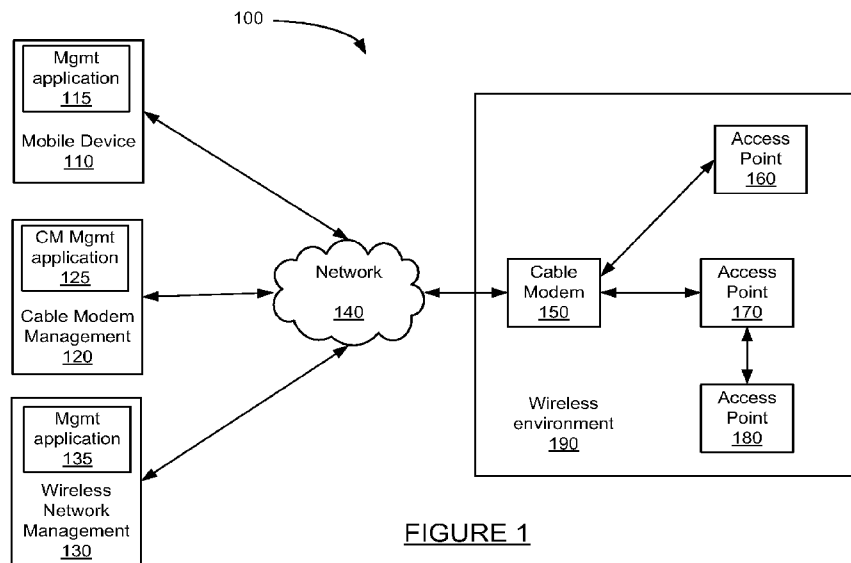
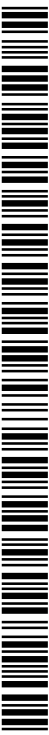


FIGURE 1

(57) Abstract: The system monitors a wireless device, detects when the device has failed or is not operating properly, and is able to remotely reset the device. The device may be reset remotely without a technician required to physically attend to the device. This out of band management allows for quicker, cheaper and more efficient handling of undesired states of a device, such as failure to operate. For a modem, the system may detect that the modem is not broadcasting a signal or is not communicating with the Internet or other network. The reset may be implemented through an access point in communication with the malfunctioning modem. For an access point, the system may detect that the access point is not communicating with a modem or another access point. The reset may be implemented by a neighboring access point or modem.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 12/36028

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - G06F 11/00 (2012.01)
USPC - 714/4.1
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)
USPC 714/4.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC 714/4.1, 100; 713/2 (keyword limited, see below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST (PGPB, USPT, EPAB, JPAB); Google.com; Google Scholar.
Search terms: cable, broadband, modem, router, customer premise equipment, CPE, subscriber unit, access point, base station, remote, reset, reboot, restart, power cycle, wireless, status, indication, mesh, unresponsive, failure.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2007/0047449 A1 (Berger et al.) 01 March 2007 (01.03.2007), entire document, especially; para. [0015], [0036], [0046], [0047], [0055], [0070]-[0073], [0084], Figure 1.	1, 9, 13, 14, 16 ----- 2-8, 10-12, 15, 17-23
Y	US 2009/0193118 A1 (Cox et al.) 30 July 2009 (30.07.2009), para. [0019], [0026]-[0028].	2-8, 10-12, 15, 17-23

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:
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 "&" document member of the same patent family

Date of the actual completion of the international search 22 July 2012 (22.07.2012)	Date of mailing of the international search report 07 AUG 2012
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