

ABSTRACT

SYSTEMS AND METHODS FOR AUTOMATIC DEVICE DETECTION, DEVICE MANAGEMENT, AND REMOTE ASSISTANCE

In some embodiments, a network regulator device protects a local network of client systems (e.g. Internet-of-things devices such as smartphones, home appliances, wearables, etc.) against computer security threats. When introduced to the local network, some embodiments of network regulator set up a secure tunnel connecting the network regulator with a remote configuration server. The tunnel may be configured to redirect communications received via the tunnel to a router providing network services to client systems on the local network. In some embodiments, the tunnel is used by the configuration server to transmit a communication to the router, the communication configured to disrupt the operation of the router. In response to the disruption, the network regulator may take over the network services from the router, and automatically install the network regulator as gateway to the local network.

FIG 1A and 1B