

Security Appliance for Protecting Power-Saving Wireless Devices Against Attack

ABSTRACT

Described systems and methods allow protecting multiple wireless Internet-of-things (IoT) devices against impersonation attacks. In some embodiments, a security appliance detects an availability notification (e.g., a Bluetooth® Low Energy advertisement) emitted as part of a protocol of establishing a wireless connection between two devices. The security appliance may then determine whether the detected notification fits a baseline notification pattern of the apparent sender. When no, the security appliance may attack the sender device by replying to the respective availability notification and initiating a handshake.

FIG. 1