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(54) **WIRELESS PROVISIONING A DEVICE FOR A NETWORK USING A SOFT ACCESS POINT**

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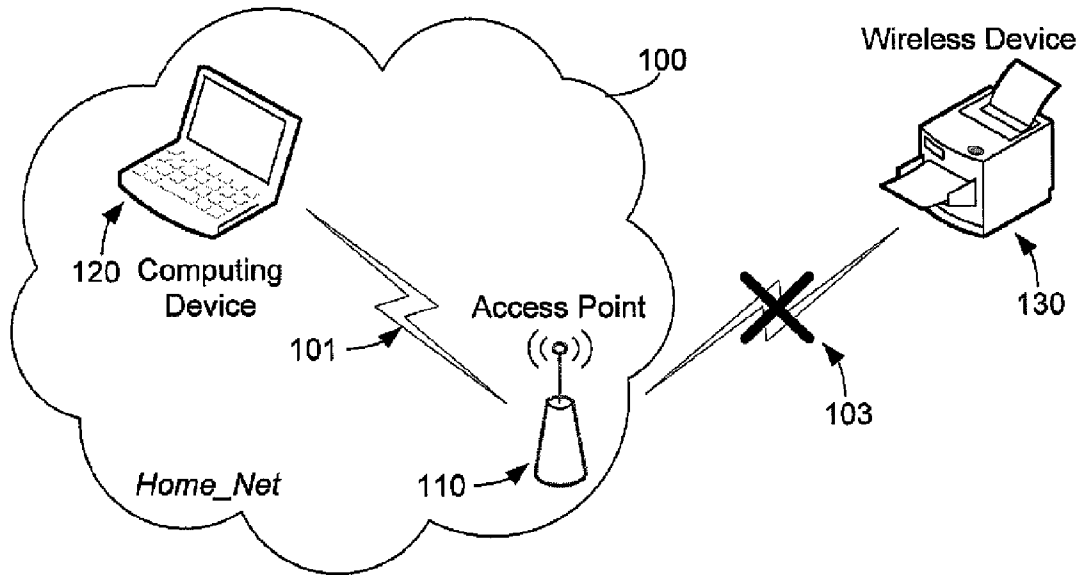
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(57) **ABSTRACT**

A computing device for provisioning a wireless device for connection to a wireless network via a legacy access point. The wireless device supports a wireless protected setup protocol for obtaining the network profile of the network. A user requests the computing device discover wireless devices for provisioning. In response to the user input, the computing device is configured as a soft access point and broadcasts a beacon signal indicating that the access point supports a wireless protected setup protocol, such as Wi-Fi Protected Setup. A request for provisioning is then received by the computing device from the wireless device. A network profile is transmitted from the computing device to the wireless device in accordance with the wireless protected setup protocol. The wireless device may use the profile to connect to the network via the legacy access point using the network profile.



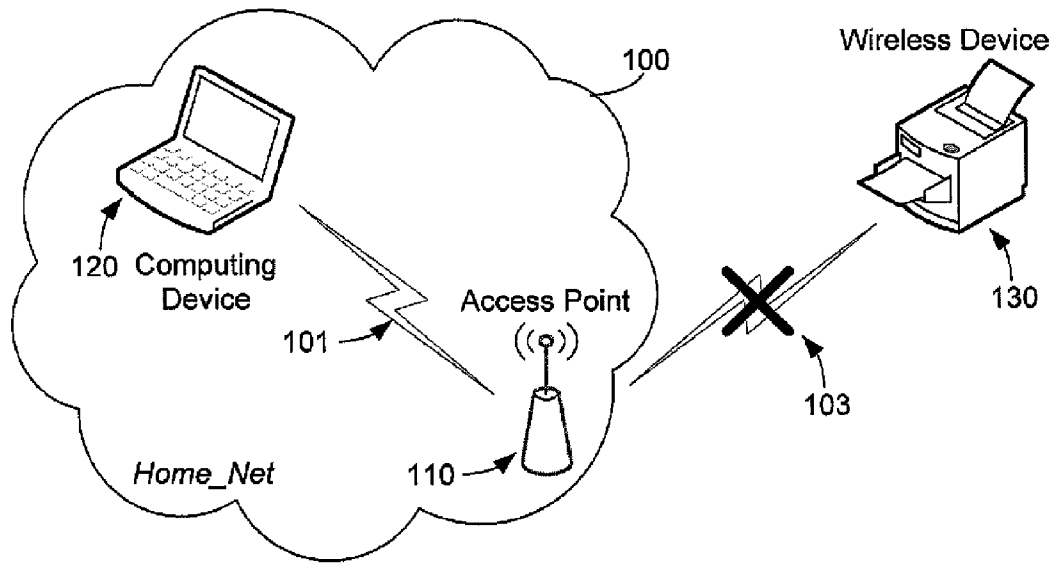


Fig. 1A

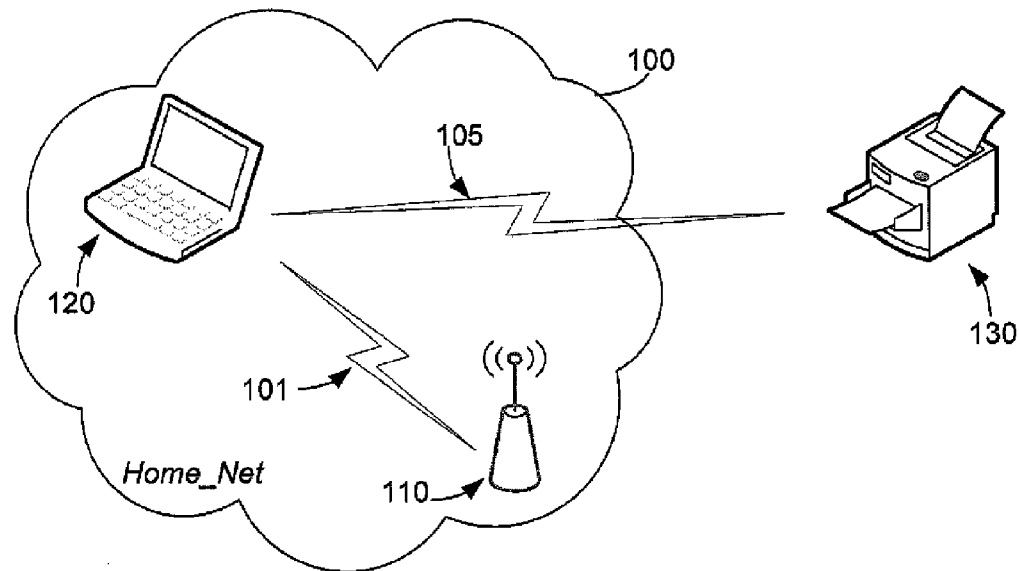


Fig. 1B

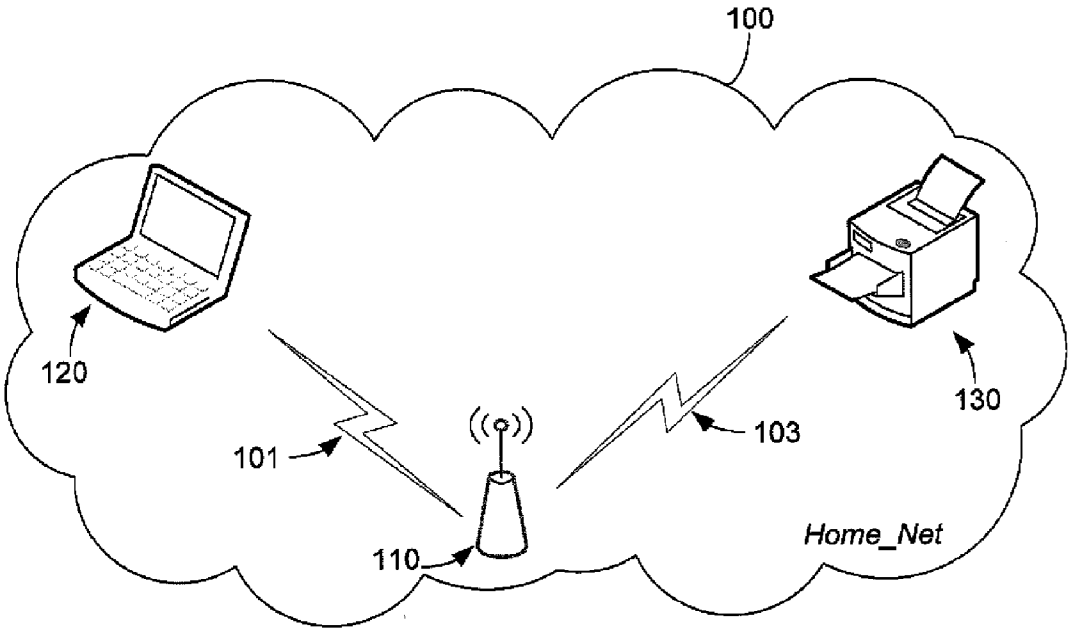


Fig. 1C

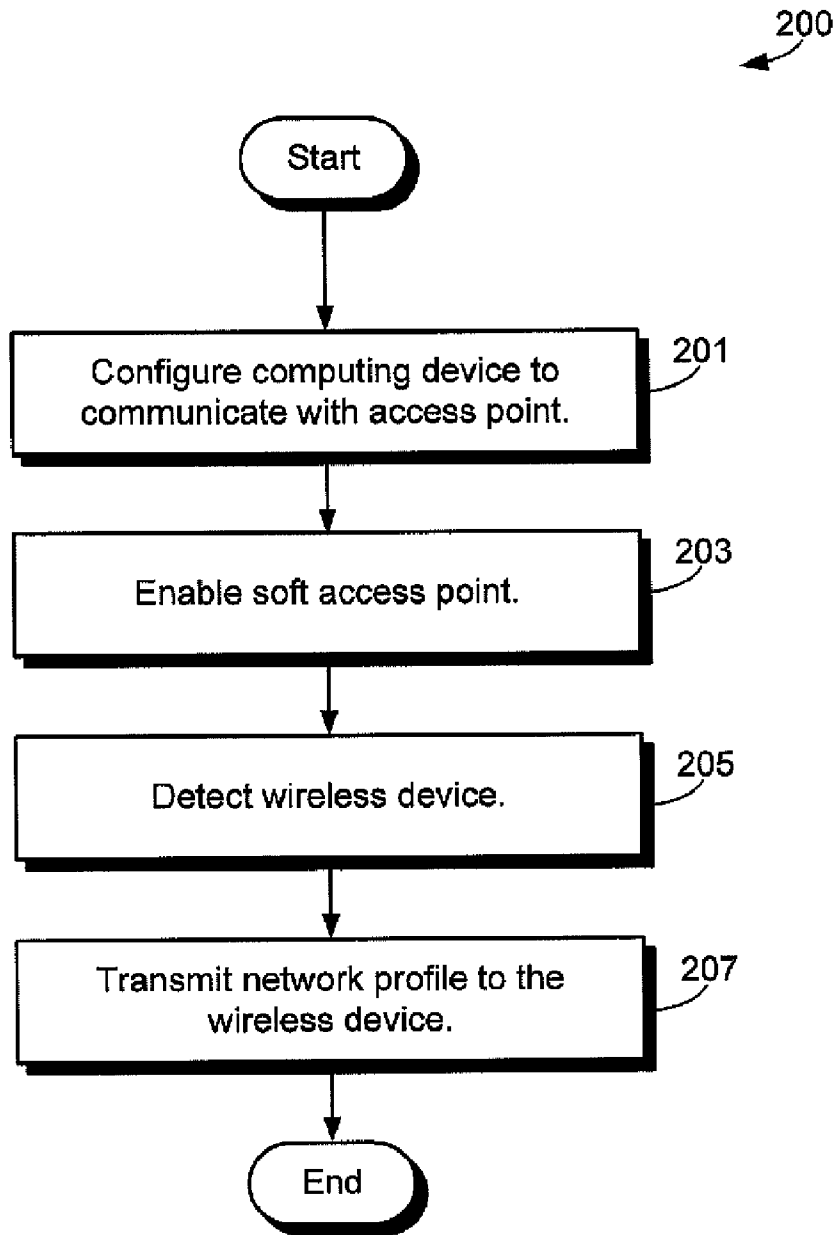


Fig. 2

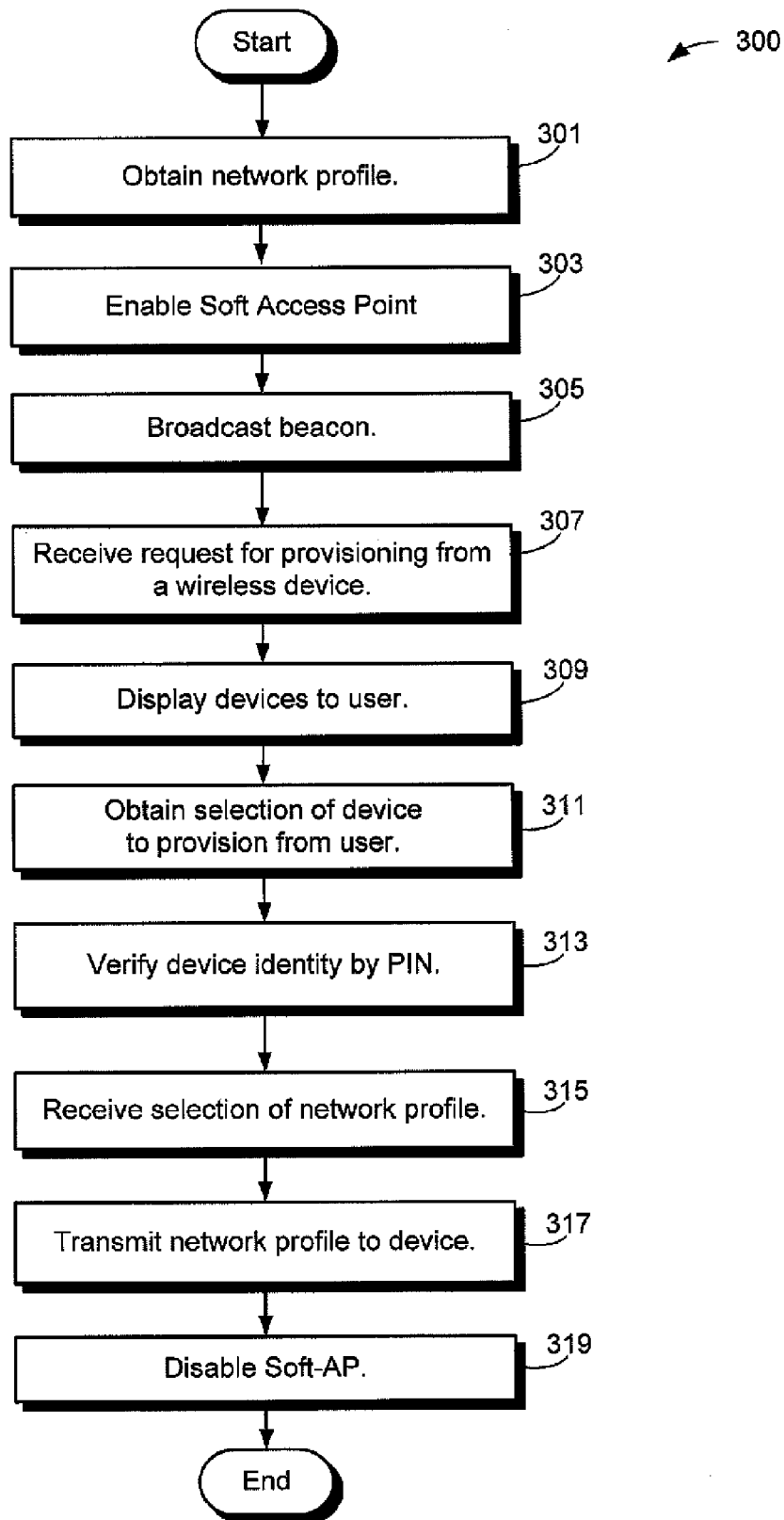


Fig. 3

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