US 20160302145A1

(19) United States

(12) Patent Application Publication

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(10) Pub. No.: US 2016/0302145 A1

(43) Pub. Date: Oct. 13, 2016

(54) **METHOD, APPARATUS, AND COMPUTER PROGRAM PRODUCT FOR EFFICIENT USE OF FREQUENCY BANDS AND CHANNELS IN WIRELESS ENVIRONMENT**

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(21) Appl. No.: **15/040,083**

(22) Filed: **Feb. 10, 2016**

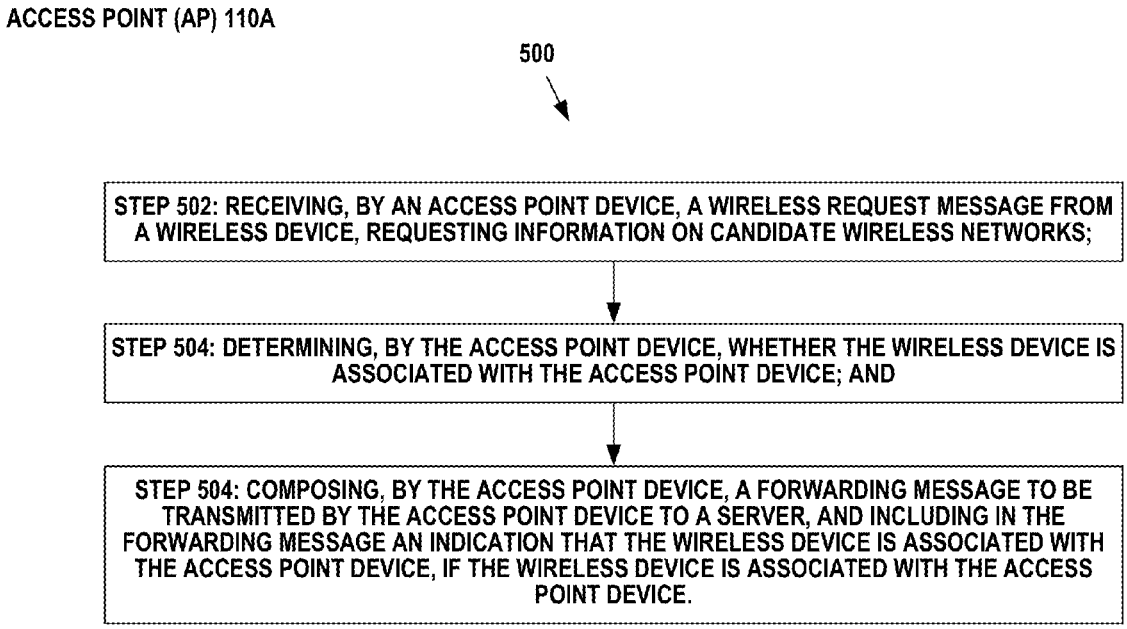
Related U.S. Application Data

(60) Provisional application No. 62/144,505, filed on Apr. 8, 2015.

Publication Classification

(51) **Int. Cl.**
H04W 48/20 (2006.01)
H04W 72/04 (2006.01)

(52) **U.S. Cl.**
CPC ***H04W 48/20*** (2013.01); ***H04W 72/0486*** (2013.01); *H04W 84/12* (2013.01)

(57) **ABSTRACT**

A method to provide interoperable mechanisms for efficient use of frequency bands and channels in Wi-Fi networks, including receiving, by an access point device, a wireless request message from a wireless device, requesting information on candidate wireless networks; determining, by the access point device, whether the wireless device is associated with the access point device; and composing, by the access point device, a forwarding message to be transmitted by the access point device to a server, and including in the forwarding message an indication that the wireless device is associated with the access point device, if the wireless device is associated with the access point device.