Addressing Multiple Communication Terminals in a Wireless Communication Network

Cross-Reference To Related Application

[0001] This application claims the benefit of priority of Singapore patent application No. 201108264-1, filed ~~28~~ 9 November 2011, the content of it being hereby incorporated by reference in its entirety for all purposes.

Technical Field

[0002] Various embodiments generally relate to the field of addressing multiple communication terminals in a wireless communication network.

Background

[0003] In the current IEEE 802.11 standard, an authenticated device (STA) wishing to join an infrastructure network needs to first send an Association Request to an access point (AP).

[0004] The STA is considered to be associated with the AP when an Association Response with a status code value of 'successful' is acknowledged by the STA. The association process 100 is illustrated in FIG. 1 for a STA 102 successfully associated with an AP 104.

[0005] As seen in FIG. 1, the STA 102 sends an Association Request 106 to the AP 104. In response, the AP 106 sends an Association Response including an Association ID (AID) 108 to the STA 102. Upon receiving the Association Response including the AID 108, the STA 102 sends an acknowledgement frame (ACK) 110 to the AP 104. Thus, each successfully-associated STA has an AID. At times, the STA may also need to re-