ABSTRACT

EXTREMELY HIGH THROUGHPUT ACCESS POINT, EXTREMELY HIGH THROUGHPUT STATION, AND WIRELESS COMMUNICATION METHOD

An extremely high throughput (EHT) access point (AP), an EHT station (STA), and a wireless communication method are provided. The wireless communication method includes performing a trigger based (TB) sounding procedure, by the EHT AP, wherein the TB sounding procedure includes a high efficiency (HE) TB sounding procedure and an EHT TB sounding procedure, the HE TB sounding procedure is executed between the EHT AP and STAs including at least one HE STA, the EHT TB sounding procedure is executed between the EHT AP and STAs comprising EHT STAs only. This can solve issues in the prior art, reduce implementation complexity in TB sounding, achieve extremely high throughput, provide good communication performance, and/or provide high reliability.

(Fig.1)