

## **METHOD AND APPARATUS FOR TRANSMITTING DATA WITH DOWN COMPATIBILITY IN HIGH THROUGHPUT WIRELESS NETWORK**

### **Abstract**

A method and an apparatus are provided for enabling a legacy station to perform virtual carrier sensing when a plurality of stations with heterogeneous capabilities coexist in a wireless network. The method includes receiving first data via a bonded channel formed by channel bonding first and second adjacent channels, and transmitting second data via each of the first and second adjacent channels, the second data being a clear-to-send (CTS) frame or a request-to-send (RTS) frame.

Figure 3