

## ABSTRACT

This application provides a data transmission method and an apparatus, to introduce a buffer status report BSR mechanism through multi-link ML cooperation, to improve performance of scheduling a station by an ML device. The method includes: A multi-link transmit end determines  
5 BSR signaling sent to a multi-link receive end, where the BSR signaling can enable the multi-link receive end to schedule a station of the multi-link transmit end over one or more links. Further, the multi-link transmit end sends the BSR signaling to the multi-link transmit end over the one or more links. This introduces a BSR mechanism through ML cooperation.

10 FIGURE 7