

ABSTRACT

APPARATUS AND METHODS FOR TRANSMITTING MULTICAST BROADCAST SERVICE IN WIRELESS COMMUNICATION SYSTEMS

The invention provides a method of providing multicast broadcast service (MBS) in a wireless access network, comprising: creating a MBS zone of a plurality of base stations and mobile stations; generating MBS control channel information, the MBS control channel (MCCH) information comprising physical layer transmission parameters for each of a plurality of MBS data bursts; jointly coding the MBS control channel information; establishing a MBS transmission period; and transmitting the MBS control channel information and the MBS data in the MBS transmission period, wherein the MBS control channel information is transmitted at the beginning of the MBS transmission period. A multicast broadcast service (MBS) with reduced channel overhead and efficient coding gains can be provided by employing the present invention.

Figure 9.