

**ABSTRACT****CONTROL CHANNEL ASSIGNMENT IN A WIRELESS COMMUNICATION  
NETWORK**

The disclosed embodiments provide for methods and systems for allocating a plurality of users on a control channel in a wireless communication network. In one aspect, a method for allocating a plurality of users on a control channel includes assigning a first number of modulation symbols to a hop region for a control channel, and allocating a second number of users to the first number of modulation symbols.

Figure 3