

**SPECTRUM COORDINATION DEVICES, RADIO COMMUNICATION
DEVICES, SPECTRUM COORDINATION METHODS, AND METHODS
FOR CONTROLLING A RADIO COMMUNICATION DEVICE**

Abstract

According to various embodiments, a spectrum coordination device may be provided. The spectrum coordination device may include: a memory configured to store working channel information indicating for each radio communication device of a plurality of radio communication devices information of at least one channel used by the respective radio communication device; a radio communication device information receiver configured to receive working channel update information of at least one radio communication device of the plurality of radio communication devices; a conflict determination circuit configured to determine whether there is a conflict of channels to be used by the plurality of radio communication devices based on the working channel information and the working channel update information; and a working channel information updating circuit configured to update the working channel information based on the determination of the conflict determination circuit.

FIG. 2A