ABSTRACT

TRANSMISSION WITH INDICATION OF GEOGRAPHIC AREA

An improved manner of transmitting and receiving messages in V2X/V2V/D2D is presented in which a transmitting device determines a geographic location of the mobile transmitting device and generates a message for a service group having a group ID associated with the service group, the message comprising a first indication of a geographic area associated with the message, the geographic area based at least in part on the geographic location of the transmitting device. Then, the apparatus transmits the message to the service group, e.g., via V2X/V2V/D2D communication. A receiving device then determines its geographic location and determines whether to send a feedback for the message based on the first indication of the geographic area associated with the message and the geographic location of the receiving device.

Fig. 4