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(54) **TECHNIQUES FOR SUB-BAND PRECODING IN SIDELINK COMMUNICATIONS**

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(57) **ABSTRACT**

According to a first method, a first user equipment (UE) may receive sidelink control information (SCI) over a sidelink communication link between the first UE and a second UE. The SCI may indicate a precoding resource block group (PRG) size associated with sidelink communications with the second UE. The first UE may determine the PRG size for communications over the sidelink communication link based at least in part on the SCI. The first UE may then receive a sidelink message from the second UE via the sidelink communication link based on the determined PRG size, and may transmit a sidelink message to the second UE based on the determined PRG size. According to a second method, a first user equipment may identify a sidelink configuration for a sidelink communication link between the first UE and a second UE, determine a PRG size for communications over the sidelink communication link based at least in part on the sidelink configuration, and receive, from the second UE, a sidelink message based at least in part on the PRG size.