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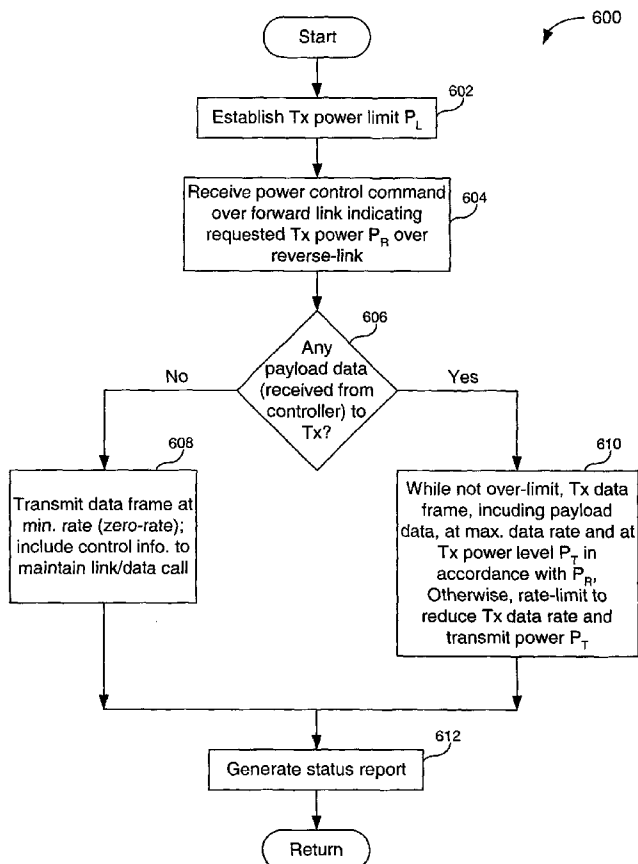
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(54) Title: CONTROLLING MULTIPLE MODEMS IN A WIRELESS TERMINAL USING DYNAMICALLY VARYING MODEM TRANSMIT POWER LIMITS



(57) Abstract: A mobile wireless terminal (MWT) includes multiple wireless modems. The multiple modems have their respective transmit outputs combined together to produce an aggregate transmit output. The multiple modems can concurrently transmit data in a reverse link direction and receive data in a forward link direction. The MWT is constrained to operate under an aggregate transmit power limit. Each of the multiple modems has an individual transmit limit related to the aggregate transmit power limit. An MWT controller adjusts the individual transmit power limits in the multiple modems based on an aggregate transmit power limit of the MWT and respective transmit power estimates from the modems, to cause each individual modem transmit power to track a corresponding individual modem transmit power.



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