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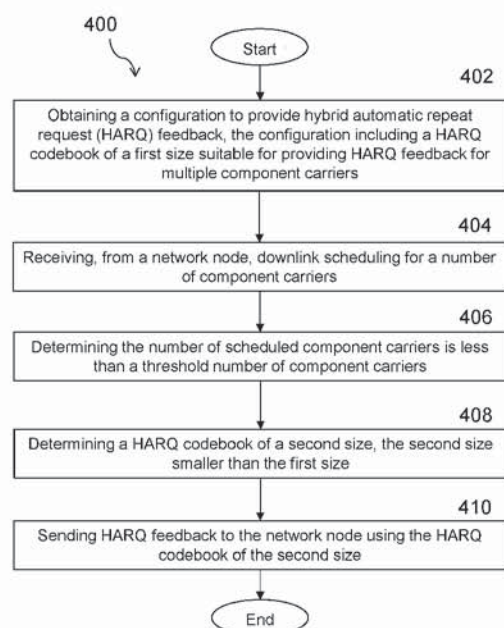
(54) **Title:** PHYSICAL UPLINK CONTROL CHANNEL FALLBACK MODE

FIGURE 9

(57) **Abstract:** According to certain embodiments, a method by a wireless device for transmitting hybrid automatic repeat request (HARQ) feedback to a base station is provided. The method includes obtaining a configuration to provide HARQ feedback and determining a HARQ codebook of a first size suitable for providing HARQ feedback for multiple component carriers based at least on the configuration. Downlink scheduling for a number of component carriers is received from a network node. The number of scheduled component carriers is determined to be less than a threshold number of component carriers. A HARQ codebook of a second size that is smaller than the first size is determined based on at least the configuration, and HARQ feedback is sent to the network node using the HARQ codebook of the second size.

From the INTERNATIONAL BUREAU

PCTNOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
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1. The following indications appeared on record concerning:		
☐ the applicant	☒ the inventor	☐ the agent
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2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
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