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(71) Applicant: **APPLE INC.** [US/US]; One Apple Park Way,
Cupertino, California 95014 (US).

(72) Inventor; and

(71) Applicant (for MG only): **YAO, Chunhai** [CN/CN]; 25F,
International Finance Centre, 8 Jianguomenwai Avenue,
Chaoyang District, Beijing 100022 (CN).

(72) Inventors: **YE, Chunxuan**; One Apple Park Way, Cupertino, California 95014 (US). **ZHANG, Dawei**; One Apple Park Way, Cupertino, California 95014 (US). **HATTAB, Ghaith N.**; One Apple Park Way, Cupertino, California 95014 (US). **SUN, Haitong**; One Apple Park Way, Cupertino, California 95014 (US). **HE, Hong**; One Apple Park Way, Cupertino, California 95014 (US). **GUTIERREZ GONZALEZ, Ismael**; One Apple Park Way, Cupertino, California 95014 (US). **OTERI, Oghenekome**; One Apple Park Way, Cupertino, California 95014 (US). **ZENG, Wei**; One Apple Park Way, Cupertino, California 95014 (US). **YANG, Weidong**; One Apple Park Way, Cupertino, California 95014 (US). **HWANG, Yeong-Sun**; Mail Stop 7250-RE, Hackerbruecke 6, Munich, 80335 Bavaria-Bayern (DE). **KIM, Yuchul**; One Apple Park Way, Cupertino, California 95014 (US). **ZHANG, Yushu**; 25F, International

(54) Title: CONCURRENT CHANNEL STATE INFORMATION (CSI) CAPABILITY REPORTING USING MULTIPLE CODEBOOKS

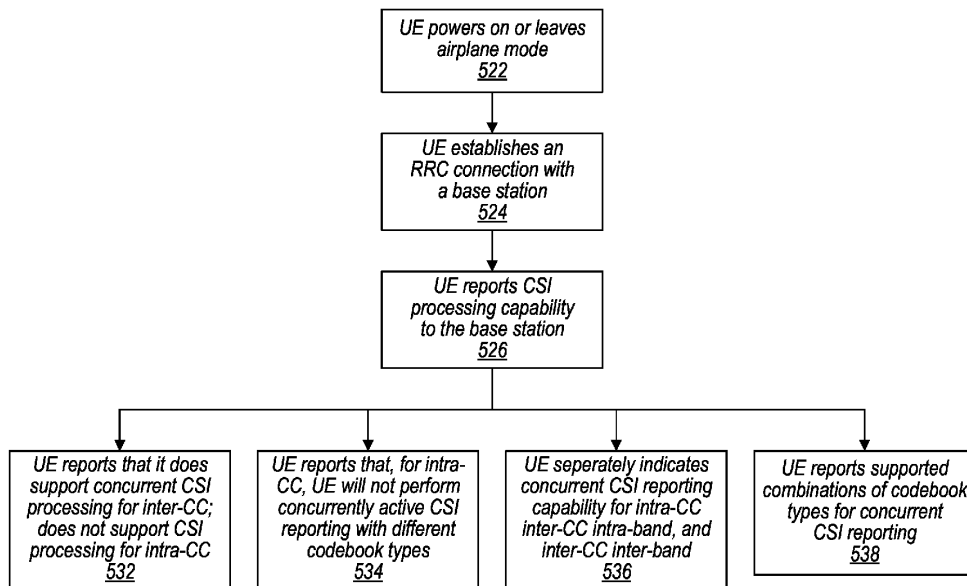


FIG. 6

(57) Abstract: A user equipment (UE) transmits concurrent channel state information (CSI) processing capability information to a base station. The capability information can take various forms, and is intended to constrain the base station in the types of CSI requests that can be made to the UE. For example, the UE may indicate different CSI processing capabilities for intra-CC and inter-CC cases and/or for different codebook types. The UE may also specify supported combinations of codebook types for concurrent CSI reporting. The UE may also specify maximum resources or weighting factors for different codebook types. The UE may further restrict the rank information it provides and use a priority rule for "dropping" CSI report data due to payload size restrictions. The base station may direct, or the UE may implement, improved utilization of CSI resources that are shared for multiple concurrent CSI reports. Minimum time requirements for CSI reporting may also be relaxed.

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Finance Centre, 8 Jianguomenwai Avenue, Chaoyang District, Beijing 100022 (CN).

(74) **Agent: CCPIT PATENT AND TRADEMARK LAW OFFICE**; 10/F, Ocean Plaza, 158 Fuxingmennei Street, Beijing 100031 (CN).

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