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(71) Applicant: **QUALCOMM INCORPORATED** [US/US];
Attn: International IP Administration, 5775 Morehouse Drive,
San Diego, CA 92121-1714 (US).

(72) Inventors; and

(71) Applicants (for US only): **HAO, Chenxi** [CN/CN]; 5775
Morehouse Drive, San Diego, CA 92121-1714 (US). **ZHANG, Yu** [CN/CN]; 5775 Morehouse Drive, San Diego,
CA 92121-1714 (US). **WU, Liangming** [CN/CN]; 5775
Morehouse Drive, San Diego, CA 92121-1714 (US). **XU,
Hao** [US/CN]; 5775 Morehouse Drive, San Diego, CA
92121-1714 (US). **CHEN, Wanshi** [CN/US]; 5775 More-
house Drive, San Diego, CA 92121-1714 (US). **GAAL,
Peter** [US/US]; 5775 Morehouse Drive, San Diego, CA
92121-1714 (US).

(74) Agent: **NTD PATENT & TRADEMARK AGENCY
LIMITED**; 10th Floor, Tower C, Beijing Global Trade
Center, 36 North Third Ring Road East, Dongcheng Dis-
trict, Beijing 100013 (CN).

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(54) Title: ADAPTIVE MODULO BASE SELECTION FOR NON-LINEAR PRECODING INTRODUCTION

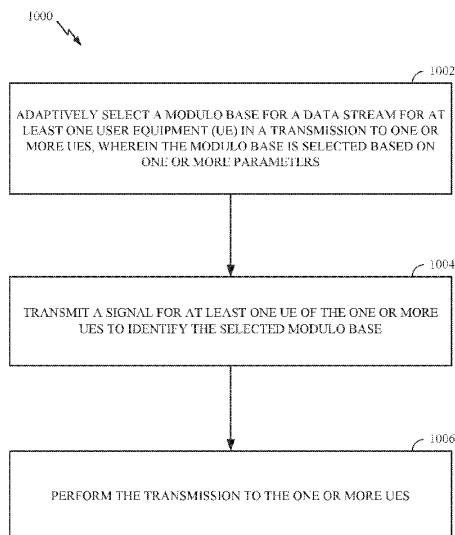


FIG. 10

(57) Abstract: Certain aspects of the present disclosure provide techniques for adaptive modulo base selection for non-linear precoding. Aspects provide a method for wireless communications that can be performed by a base station (BS). The BS adaptively selects a modulo base for a data stream for at least one user equipment (UE) in a transmission to one or more UEs. The BS selects the modulo base based on one or more parameters. The BS transmits a signal for at least one UE of the one or more UEs to identify the selected modulo base. The BS performs the transmission to the one or more UEs. The UE receives the transmission from the BS and the signal for the identification of the selected modulo base. Based on the signal, the UE determines the modulo base for at least one data stream in the transmission and decodes the data stream using the modulo base.

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