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(54) Title: CONTROL RESOURCE SET ZERO FOR REDUCED CAPABILITY NEW RADIO DEVICES

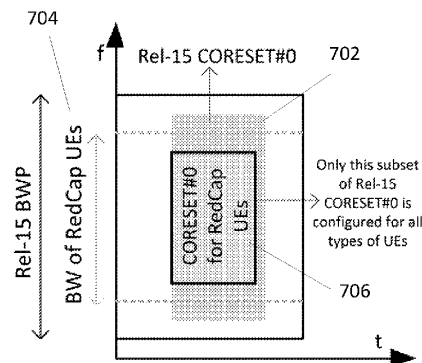


Fig. 7

(57) Abstract: The present disclosure provides communication apparatuses and communication methods for implementation of Control Resource Set Zero (CORESET#0) for Reduced Capability (RedCap) New Radio Devices. The communication apparatuses include a communication apparatus which comprises a receiver, which in operation, receives a physical downlink control channel (PDCCH) on a control resource set zero (CORESET#0) of which time and frequency resources are defined based on a bandwidth configuration of reduced capacity user equipments (RedCap UEs), and receives a system information block type 1 (SIB1) physical downlink shared channel (PDSCH) which is scheduled based on the CORESET#0; and circuitry, which in operation, determines control information and parameters from the PDCCH on CORESET#0 to read SIB1 for initial access, handover, or beam failure recovery.

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