ABSTRACT

REPETITION-BASED TRANSMISSIONS FOR UPLINK ULTRA-RELIABLE LOW LATENCY COMMUNICATION

Methods, systems, and devices for wireless communications are described. In some wireless communications systems, a user equipment (UE) may be configured to transmit a transport block multiple times in a set of transmission time intervals (TTIs) of a repetition window to improve the chances that the transport block is received by a receiving device. In some cases, however, the transport block may not be available to be transmitted in the repetition window until after a first TTI of the repetition window. In such cases, the UE may use the techniques described herein to identify appropriate configurations for transmitting the transport block in the repetition window. In particular, the UE may determine whether to use a fixed repetition window or a sliding repetition window for transmitting the transport block based on various factors in an attempt to satisfy latency and reliability constraints associated with the transport block.

Fig. 3