

**Information on Search Strategy - Pilot phase (see OJ 2015, A86)**

The type of information contained in this sheet may change during the pilot for improving the usefulness of this new service.

Application Number

PCT/US2018/047492

TITLE: MULTIPLEXING CODE BLOCK GROUP LEVEL AND TRANSPORT BLOCK LEVEL FEEDBACK

APPLICANT: QUALCOMM INCORPORATED

IPC CLASSIFICATION: H04L1/18, H04L5/00

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CONSULTED DATABASES: DOSYS, EPODOC, WPI, NPL

CLASSIFICATION SYMBOLS DEFINING EXTENT OF THE SEARCH:

IPC:

CPC: H04L1/1861, H04L5/0055, H04L1/1854

FI/F-TERMS:

KEYWORDS OR OTHER ELEMENTS FEATURING THE INVENTION:

Provide TB-level feedback for a portion of the data transmission and CBG-level feedback for another portion of the transmitted data by using multiplexing of the two types of feedback. A feedback signaling arrangements may include a configuration for providing feedback, or indicating an amount of resources available for providing feedback. The UE can determine a feedback signaling arrangement (e.g., based on the UE capabilities, or the feedback requirements of a particular data transmission received by the UE) and signal it to the base station. The UE may prioritize providing CBG-level feedback for those TBs having at least one CBG-level NACK, but a relatively high ratio of CBG-level ACKs, to reduce or minimize the retransmission of CBGs associated with a successful CRC. In an example, a first part of the feedback sequence is used for TB-based feedback for all TBs, a second part to signal for which TBs the CBG feedback is also provided, and the last part for the CBG-based feedback.