

CLAIMS

1. A user equipment (UE), comprising:
 - a processor; and
 - memory in electronic communication with the processor,wherein instructions stored in the memory are executable to:
 - receive a physical downlink control channel (PDCCH) and
 - decode a physical downlink shared channel (PDSCH);
 - determine a hybrid automatic repeat request
 - acknowledgement/negative acknowledgement (HARQ-ACK) feedback
 - timing of the PDSCH; and
 - transmit HARQ-ACK feedback of the PDSCH based on thedetermined HARQ-ACK feedback timing; wherein:
 - the PDCCH uses a downlink control information (DCI) formatthat contains explicit timing information,
 - the HARQ-ACK feedback timing is determined by the DCI
 - format; and
 - the HARQ-ACK feedback of the PDSCH is reported with explicittiming indicated by the explicit timing information.
2. A base station communicating with a user equipment (UE), the base station comprising:
 - a processor; and
 - memory in electronic communication with the processor,wherein instructions stored in the memory are executable to:
 - transmit a physical downlink control channel (PDCCH) and a
 - physical downlink shared channel (PDSCH);
 - determine a hybrid automatic repeat request
 - acknowledgement/negative acknowledgement (HARQ-ACK) feedback

timing of the PDSCH;

receive HARQ-ACK feedback of the PDSCH based on the determined HARQ-ACK feedback timing; wherein:

the PDCCH uses a downlink control information (DCI) format that contains explicit timing information,

the HARQ-ACK feedback timing is determined by the DCI format; and

the HARQ-ACK feedback of the PDSCH is reported with explicit timing indicated by the explicit timing information.

3. A method of a user equipment (UE), the method comprising:

receiving a physical downlink control channel (PDCCH) and decode a physical downlink shared channel (PDSCH);

determining a hybrid automatic repeat request acknowledgement/negative acknowledgement (HARQ-ACK) feedback timing of the PDSCH; and

transmitting HARQ-ACK feedback of the PDSCH based on the determined HARQ-ACK feedback timing; wherein:

the PDCCH uses a downlink control information (DCI) format that contains explicit timing information,

the HARQ-ACK feedback timing is determined by the DCI format; and

the HARQ-ACK feedback of the PDSCH is reported with explicit timing indicated by the explicit timing information.

4. A method of a base station communicating with a user equipment (UE), the method comprising:

transmitting a physical downlink control channel (PDCCH)
and a physical downlink shared channel (PDSCH);

determining a hybrid automatic repeat request
acknowledgement/negative acknowledgement (HARQ-ACK) feedback
timing of the PDSCH;

receiving HARQ-ACK feedback of the PDSCH based on the
determined HARQ-ACK feedback timing; wherein:

the PDCCH uses a downlink control information (DCI) format
that contains explicit timing information,

the HARQ-ACK feedback timing is determined by the DCI
format; and

the HARQ-ACK feedback of the PDSCH is reported with explicit
timing indicated by the explicit timing information.