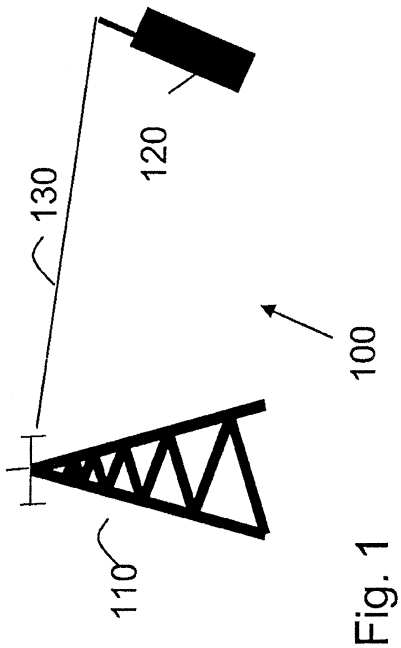

Fig. 1

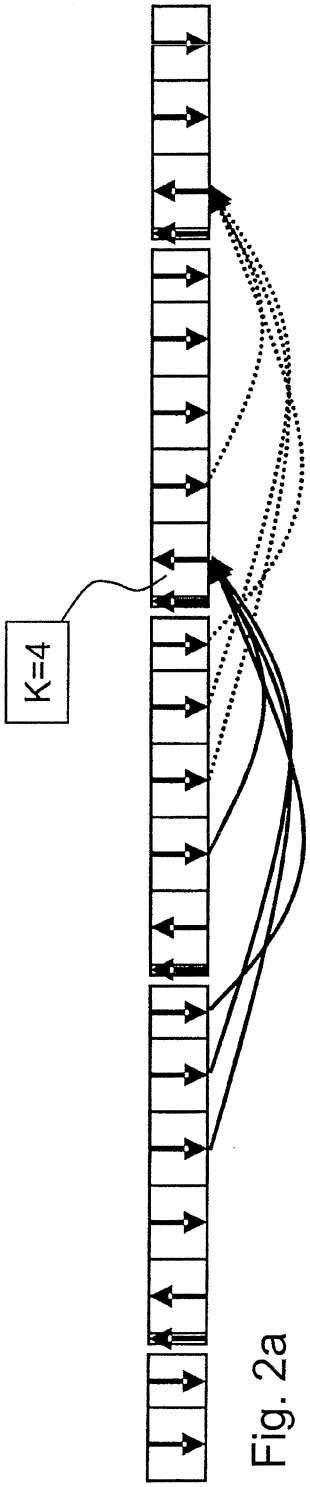

Fig. 2a

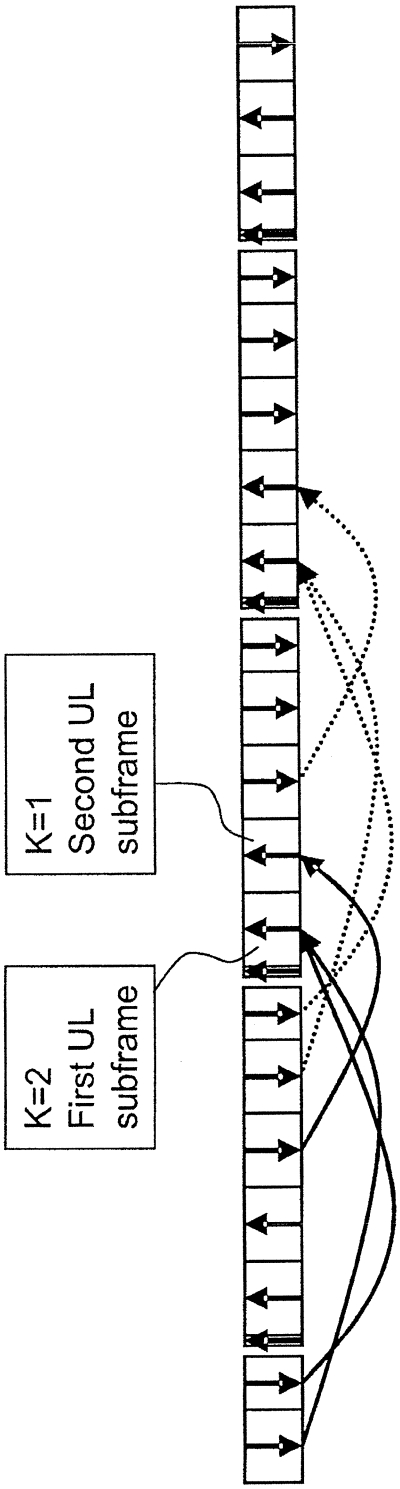

Fig. 2b

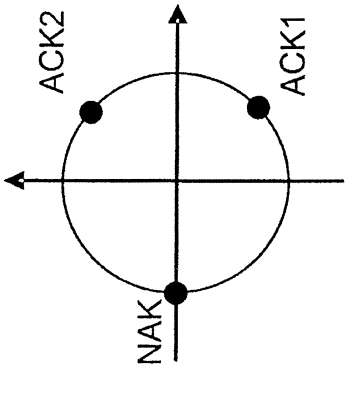

Fig. 3a

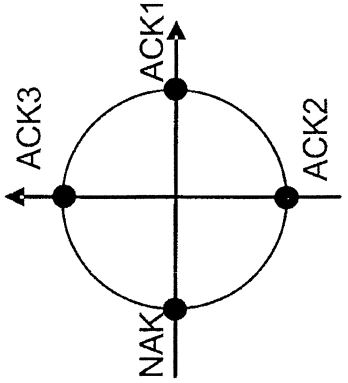

Fig. 3b

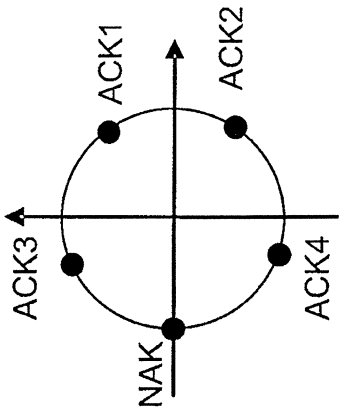

Fig. 3c

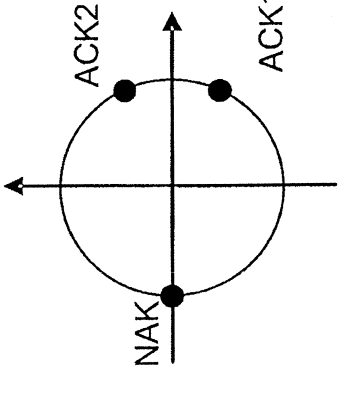

Fig. 4a

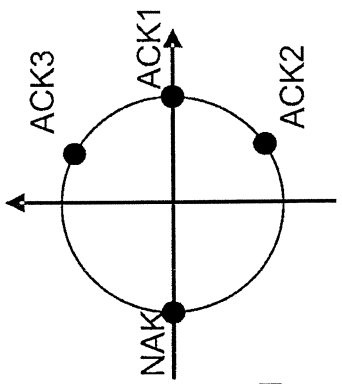

Fig. 4b

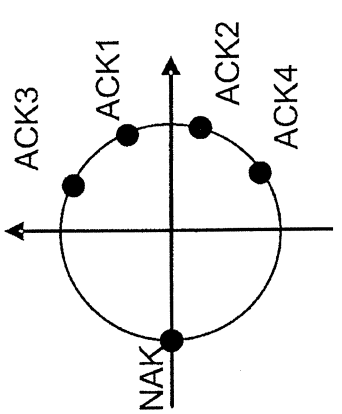

Fig. 4c

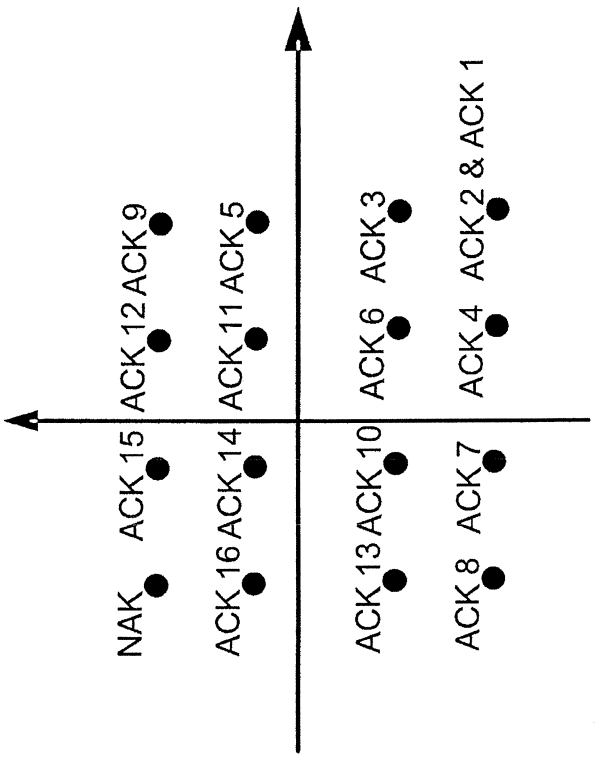
NAK
ACK 16
ACK 15
ACK 14
ACK 13
ACK 10
ACK 8
ACK 7
ACK 12
ACK 11
ACK 9
ACK 6
ACK 5
ACK 4
ACK 3
ACK 2 & ACK 1

Fig. 5

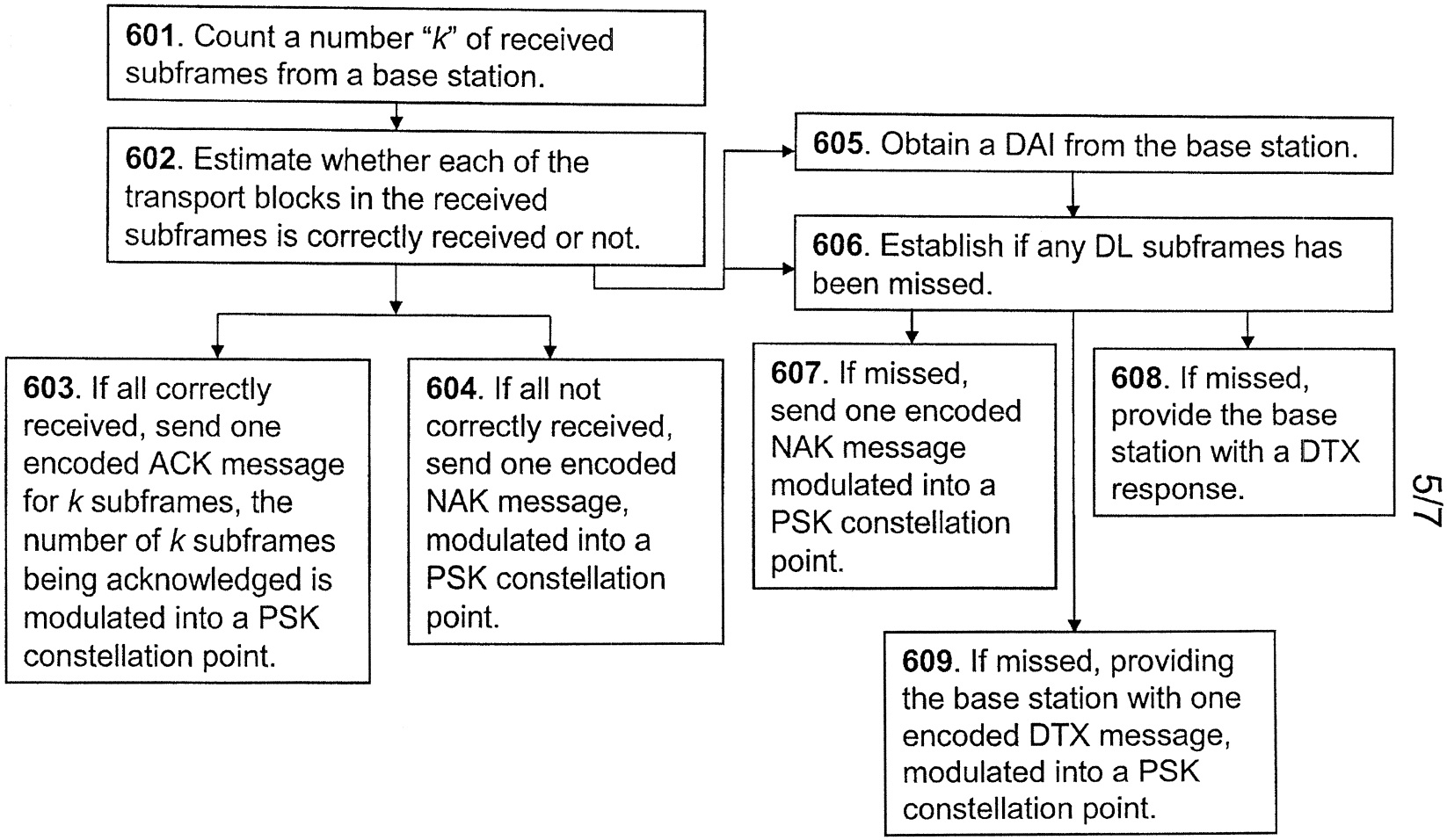
601. Count a number "k" of received subframes from a base station.
602. Estimate whether each of the transport blocks in the received subframes is correctly received or not.
605. Obtain a DAI from the base station.
606. Establish if any DL subframes has been missed.
603. If all correctly received, send one encoded ACK message for k subframes, the number of k subframes being acknowledged is modulated into a PSK constellation point.
604. If all not correctly received, send one encoded NAK message, modulated into a PSK constellation point.
607. If missed, send one encoded NAK message modulated into a PSK constellation point.
608. If missed, provide the base station with a DTX response.
609. If missed, providing the base station with one encoded DTX message, modulated into a PSK constellation point.

Fig. 6

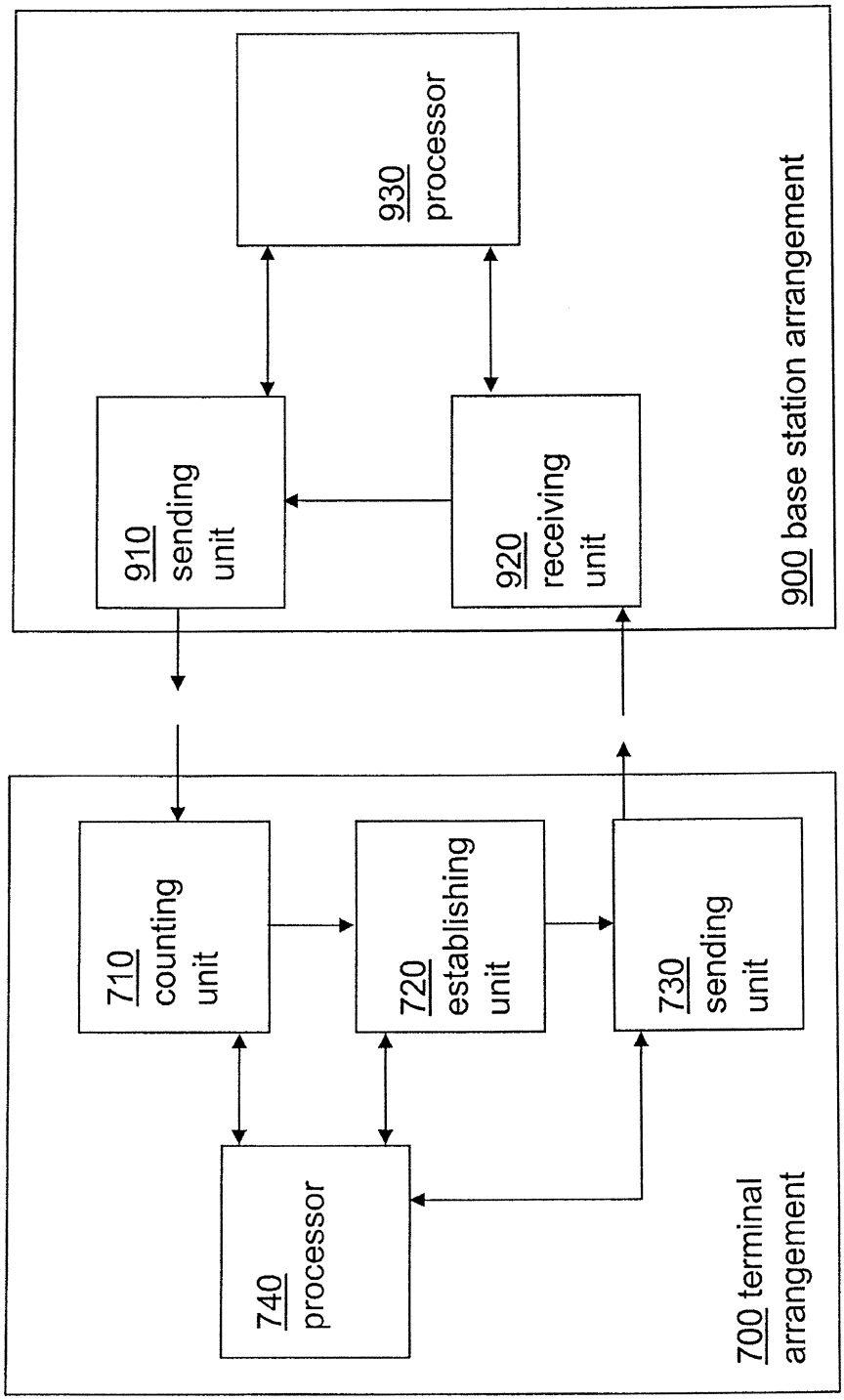
710 counting unit
720 establishing unit
730 sending unit
740 processor
700 terminal arrangement
910 sending unit
920 receiving unit
930 processor
900 base station arrangement

Fig. 7

Fig. 9

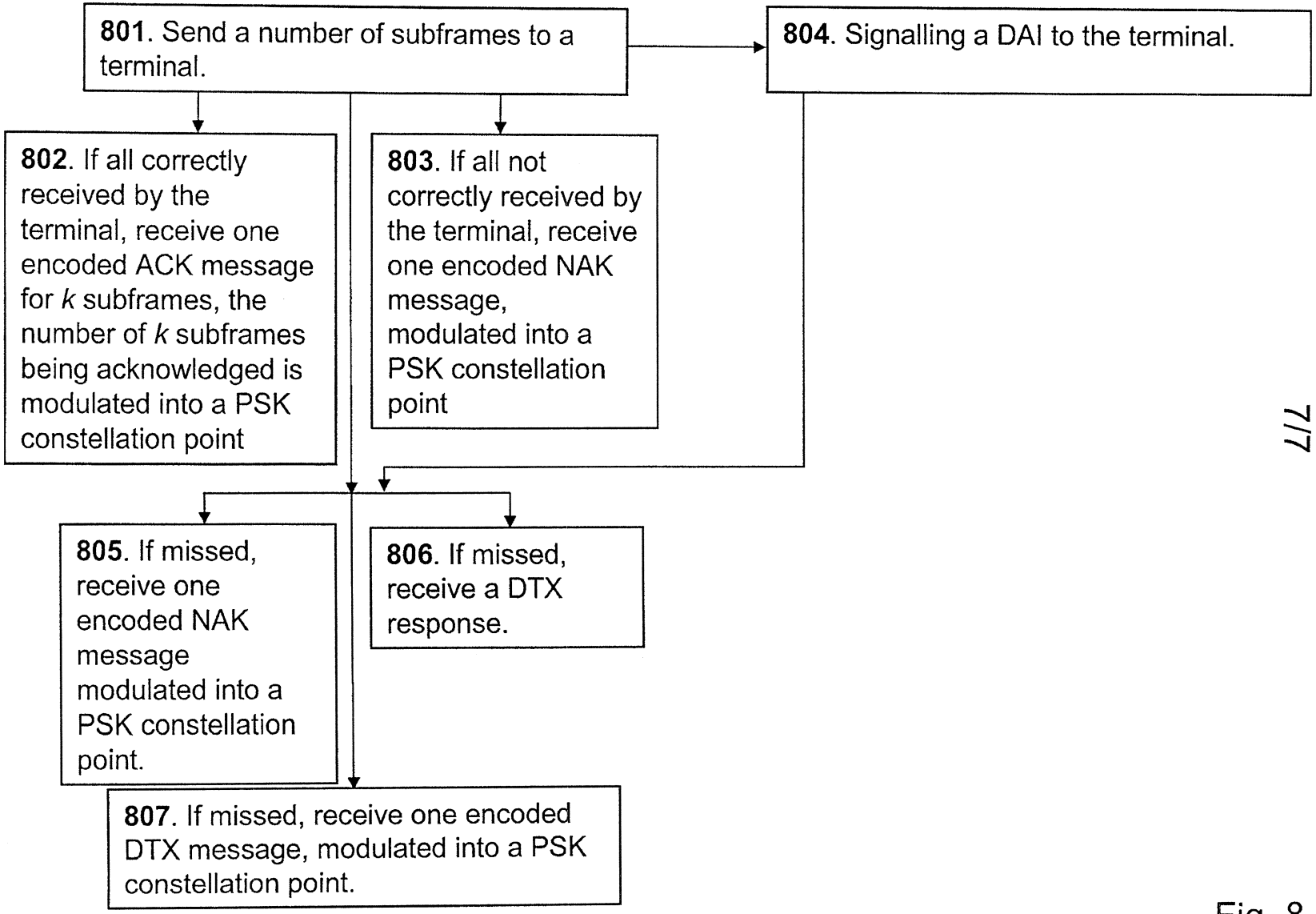
801. Send a number of subframes to a terminal.
804. Signalling a DAI to the terminal.
802. If all correctly received by the terminal, receive one encoded ACK message for k subframes, the number of k subframes being acknowledged is modulated into a PSK constellation point
803. If all not correctly received by the terminal, receive one encoded NAK message, modulated into a PSK constellation point
805. If missed, receive one encoded NAK message modulated into a PSK constellation point.
806. If missed, receive a DTX response.
807. If missed, receive one encoded DTX message, modulated into a PSK constellation point.

Fig. 8