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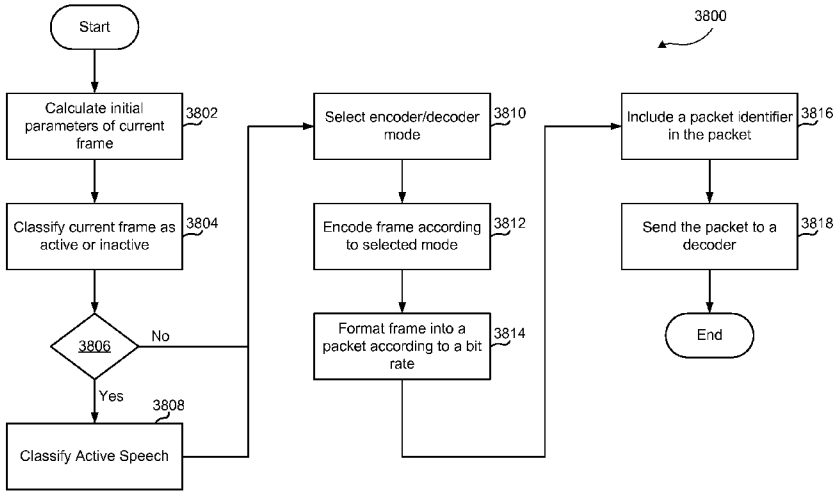
Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

[Continued on next page]

(54) Title: SYSTEMS AND METHODS FOR INCLUDING AN IDENTIFIER WITH A PACKET ASSOCIATED WITH A SPEECH SIGNAL



(57) Abstract: A method for including an identifier with a packet associated with a speech signal is described. A signal is received. The signal is partitioned into a plurality of frames. A frame of the signal is encoded into a packet. A determination is made if the packet is encoded as a wideband packet or a narrowband packet. An identifier is packed in the packet based on the determination. The packet is transmitted. At least two illegal values are provided from an *N*-bit parameter, wherein at least one bit from the *N*-bit parameter is used to carry information. A number of bits from the *N*-bit parameter that are used to carry information is equal to $\log_2(X)$, wherein X is the number of illegal values provided from the *N*-bit parameter.

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