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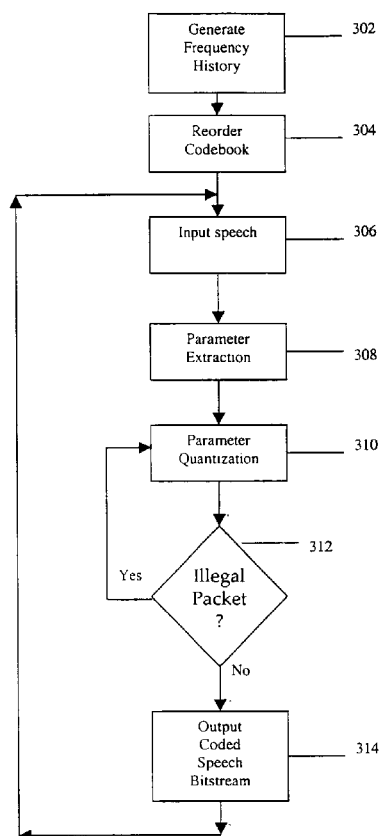
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(54) Title: METHOD AND APPARATUS FOR REDUCING UNDESIRED PACKET GENERATION



(57) Abstract: A method and apparatus for enhancing coding efficiency by reducing illegal or other undesirable packet generation while encoding a signal. The probability of generating illegal or other undesirable packets while encoding a signal is reduced by first analyzing a history of the frequency of codebook values selected while quantizing speech parameters. Codebook entries are then reordered so that the index/indices that create illegal or ther undesirable packets contain the least frequently used entry/entries. Reordering multiple codebooks for various parameters further reduces the probability, that an illegal or ther undesirable packet will be created during signal encoding. The method and apparatus may be applied to reduce the probability of generating illegal null traffic channel data packets while encoding eight rate speech.

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