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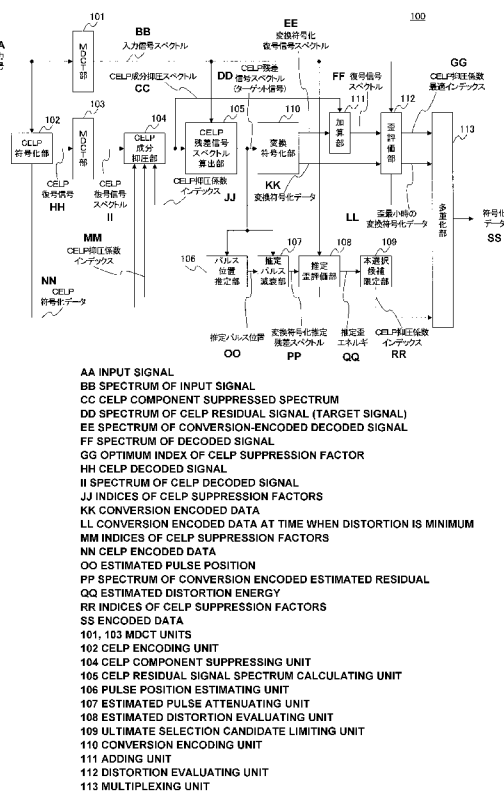
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(54) Title: ENCODER APPARATUS AND ENCODING METHOD

(54) 発明の名称: 符号化装置及び符号化方法

[図1]



(57) Abstract: Provided is an encoder apparatus that can suppress the quality degradation of encoding processes and also can reduce the processing amount of the encoder apparatus in an encoding system in which the encoding process suitable for voice signals and the encoding process suitable for music signals are combined in a hierarchical structure. In the apparatus: an ultimate selection candidate limiting unit (109) uses the spectrum of an input signal and a residual spectrum to designate a given number of pre-selected suppression factors to a CELP component suppressing unit (104); the CELP component suppressing unit (104) uses the designated suppression factors to generate a suppressed spectrum; a CELP residual signal spectrum calculating unit (105), to which the suppressed spectrum is input, calculates a residual spectrum; a conversion encoding unit (110) uses the residual spectrum to performs a second encoding process; and a distortion evaluating unit (112) determines one of the designated suppression factors by use of the spectrum of a second decoded signal generated by decoding a second code obtained by the second encoding process and further by use of the suppressed spectrum and the spectrum of the input signal.

(57) 要約:

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