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(54) **Title**: IMPROVED MAGNITUDE RESPONSE AND TEMPORAL ALIGNMENT IN PHASE VOCODER BASED BANDWIDTH EXTENSION FOR AUDIO SIGNALS

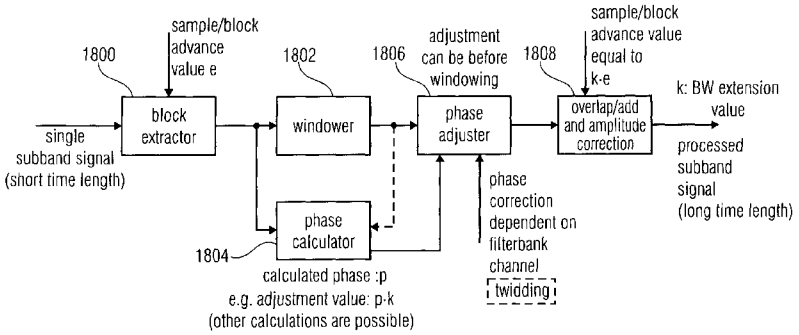


FIG 9

(57) **Abstract**: An apparatus for generating a bandwidth extended audio signal from an input signal, comprises a patch generator for generating one or more patch signals from the input signal, wherein the patch generator is configured for performing a time stretching (1800, 1808) of subband signals from an analysis filterbank, and wherein the patch generator further comprises a phase adjuster (1806) for adjusting phases of the subband signals using a filterbank-channel dependent phase correction.

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