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(54) Title: **METHOD AND APPARATUS FOR EFFICIENT IMPLEMENTATION OF SINGLE-SIDEBAND FILTER BANKS PROVIDING ACCURATE MEASURES OF SPECTRAL MAGNITUDE AND PHASE**

(57) Abstract

Accurate measures of estimated spectral power and phase are derived from two spectral representations of each of one or more input signals generated by critically-sampled filter banks. The derived measures may be used in various applications including adaptive bit allocation in perceptual coding systems. An efficient implementation of one particular single-sideband critically-sampled filter bank is disclosed.

