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29 AUG 2002

LOW BIT-RATE HIGH-RESOLUTION SPECTRAL ENVELOPE CODING FOR
AUDIO ENCODER AND DECODER

ABSTRACT OF THE DISCLOSURE

The invention relates in general to low bit-rate encoding and decoding of information such as audio information. More particularly, the invention relates to method and apparatus for reducing the amount of information required to convey a high-resolution spectral envelope of a signal. A split-band encoder prepares an estimate of an input signal spectral envelope by splitting the input signal into frequency subband signals, generates a scaled representation of the subband signals comprising scaling factors and scaled values, generates a differential coded representation of the scaling factors, and assembles the differential coded representation and scaled values into an encoded signal.

Figure 1



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