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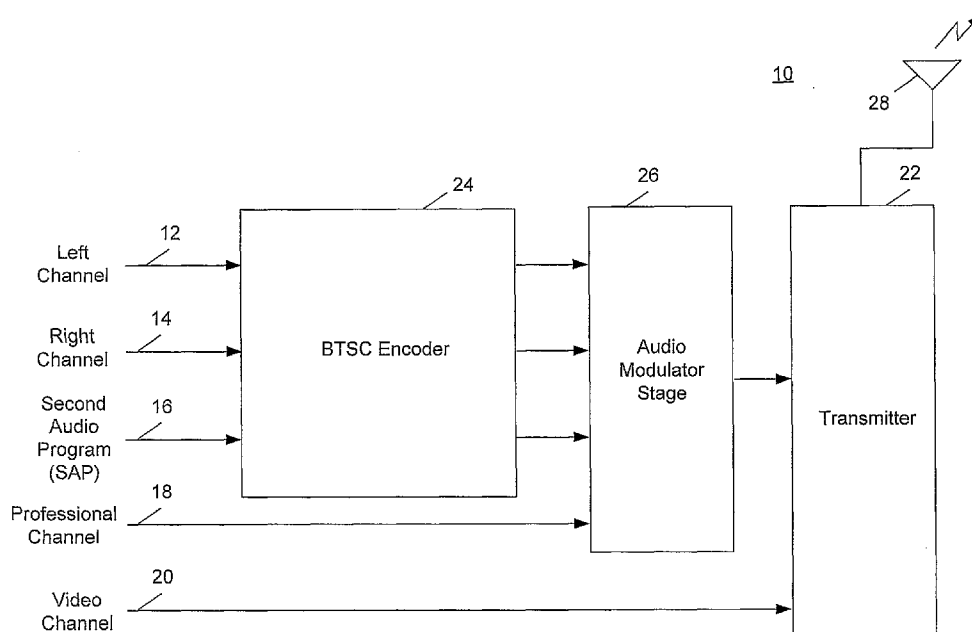
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(54) Title: UP-SAMPLING TELEVISION AUDIO SIGNALS FOR ENCODING



(57) Abstract: A television audio signal encoder includes an up-sampler that inserts additional samples into a sum signal, a difference signal, and/or a secondary audio program signal to increase the sample rate of the corresponding signal or signals. The sum signal represents the sum of a left channel digital audio signal and a right channel digital audio signal and the difference signal represents the difference between the left and right audio signals.

WO 2006/017509 A2