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(71) Applicant (for all designated States except US): **THAT CORPORATION** [US/US]; 45 Sumner Street, Milford, MA 01757-1656 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BARNHILL, Matthew** [US/US]; 3570 Hermitage Drive, Guluth, GA 30096 (US). **EASLEY, Matthew, F.** [US/US]; 1058 Fairway Valley Drive, Woodstock, GA 30189 (US).

(74) Agents: **KUSMER, Toby, H.** et al.; McDermott Will & Emery LLP, 28 State Street, Boston, MA 02109 (US).

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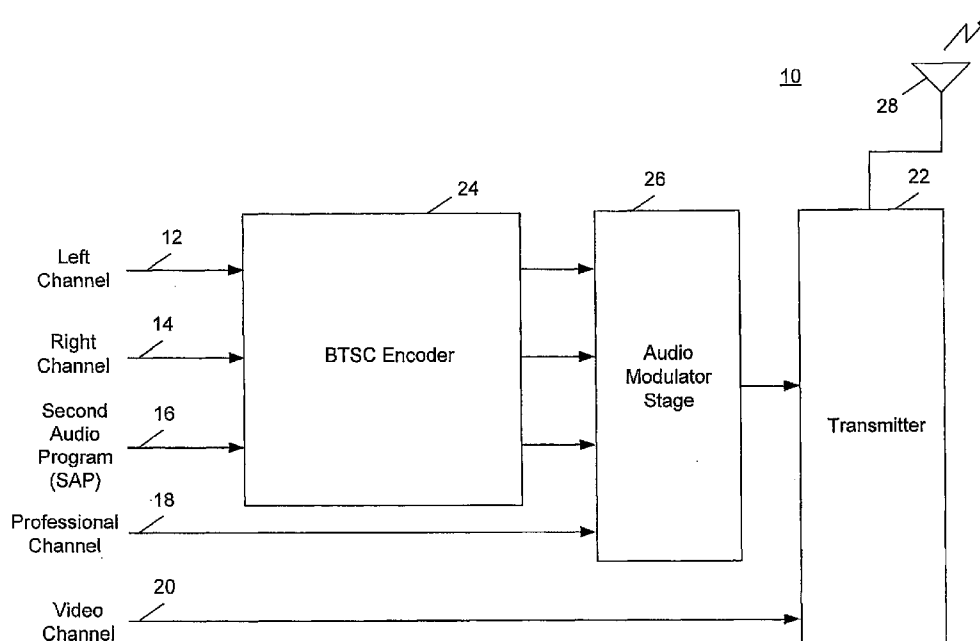
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(54) Title: UP-SAMPLING TELEVISION AUDIO SIGNALS FOR ENCODING



(57) Abstract: A television audio signal encoder (58) includes an up-sampler (70, 72, 74) 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.

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