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(71) Applicant (for all designated States except US): **DOLBY
LABORATORIES LICENSING CORPORATION**
[US/US]; 100 Potrero Avenue, San Francisco, CA
94103-4813 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CHENG, Corey,
I.** [US/US]; Dolby Laboratories Licensing Corporation,
100 Potrero Avenue, San Francisco, CA 94103-4813

(US). **SMITHERS, Michael, J.** [AU/US]; Dolby Labo-
ratories Licensing Corporation, 100 Potrero Avenue, San
Francisco, CA 94103-4813 (US). **LATHROP, David, N.**
[US/US]; Gallagher & Lathrop, Suite 1111, 601 California
Street, San Francisco, CA 94108-2805 (US).

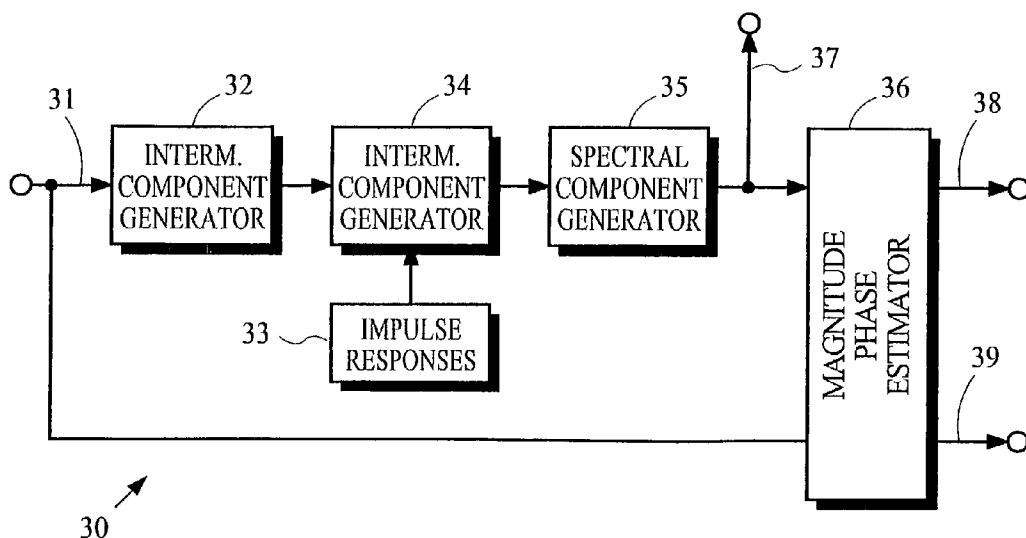
(74) Agents: **LATHROP, David, N.** et al.; Gallagher & Lath-
rop, Suite 1111, 601 California Street, San Francisco, CA
94108-2805 (US).

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(54) Title: IMPROVED CODING TECHNIQUES USING ESTIMATED SPECTRAL MAGNITUDE AND PHASE DERIVED FROM MDCT COEFFICIENTS



(57) Abstract: Estimates of spectral magnitude and phase are obtained by an estimation process using spectral information from analysis filter banks such as the Modified Discrete Cosine Transform. The estimation process may be implemented by convolution-like operations with impulse responses. Portions of the impulses responses may be selected for use in the convolution-like operations to trade off between computational complexity and estimation accuracy. Mathematical derivations of analytical expressions for filter structures and impulse responses are disclosed.

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