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(74) Agents: **MOSKOWITZ, Larry, J.** et al.; 5775 Morehouse Drive, San Diego, CA 92121 (US).

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(71) Applicant (for all designated States except US): **QUALCOMM INCORPORATED** [US/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US).

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(72) Inventors; and

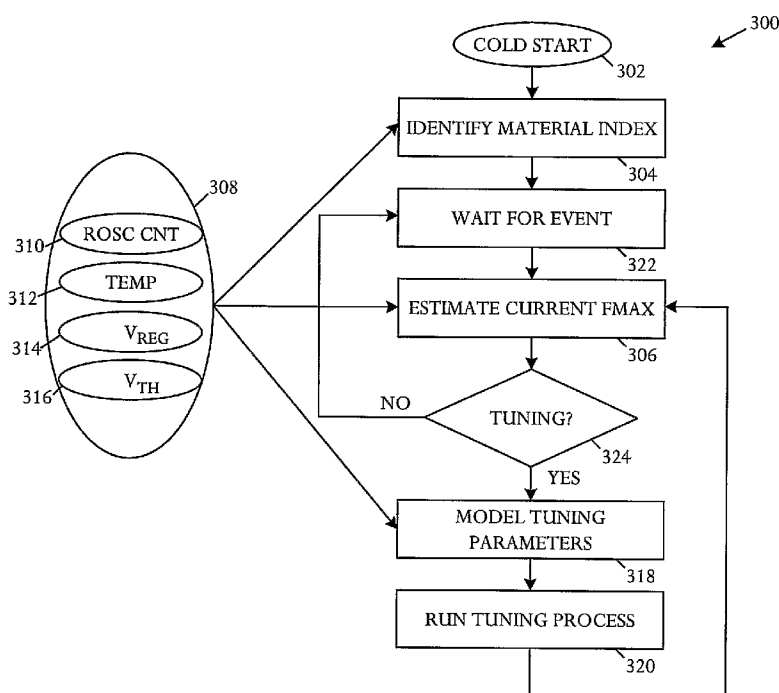
(75) Inventors/Applicants (for US only): **CHOE, Vyungchon** [KR/US]; 7433 Arroyo Grande Road, San Diego, CA 92129 (US). **PATEL, Jagrut, Viliskumar** [IN/US]; 5050 La Jolla Boulevard, #3H, San Diego, CA 92109 (US). **PRABHAKARAN, Rajeev** [IN/US]; 11659 Tree Hollow Lane, San Diego, CA 92128 (US).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE,

[Continued on next page]

(54) Title: VOLTAGE SCALING USING MATERIAL-BASED REFERENCE MODEL



(57) Abstract: An electronic circuit including an oscillator and having known physical device characteristics is operated by supplying a core voltage to the electronic circuit from a cold start, measuring output frequency of the oscillator during the cold start, and determining a material index from the output frequency based on the physical device characteristics.

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