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

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **STAMOULIS, Anastasios** [GR/US]; 600 Front Street #140, San Diego, California 92101 (US). **MALLADI, Durga Prasad** [IN/US]; 11983 Briarleaf Way, San Diego, California 92128 (US).

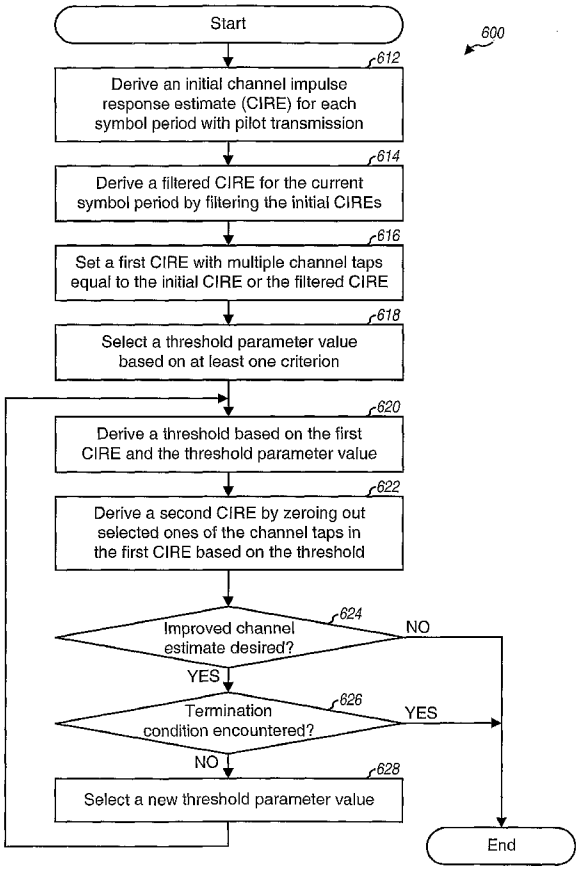
(74) Agent: **WADSWORTH, Philip R.**; 5775 Morehouse Drive, San Diego, Califonia 92121 (US).

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(54) Title: SELECTION OF A THRESHOLDING PARAMETER FOR CHANNEL ESTIMATION



(57) Abstract: Techniques for deriving a high quality channel estimate are described. A first channel impulse response estimate (CIRE) having multiple channel taps is derived, e.g., by filtering initial CIREs obtained from a received pilot. A threshold parameter value is selected based on at least one criterion, which may relate to channel profile, operating SNR, number of channel taps, and so on. A second CIRE is derived by zeroing out selected ones of the channel taps in the first CIRE based on the threshold parameter value. The average energy of the channel taps may be determined, a threshold may be derived based on the average energy and the threshold parameter value, and channel taps with energy less than the threshold may be zeroed out. A memory may store threshold parameter values for different operating scenarios, and a stored value may be selected for use based on the current operating scenario.

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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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