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(71) Applicant (for all designated States except US): INTEL CORPORATION [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US).			
(72) Inventors; and (75) Inventors/Applicants (for US only): ACHARYA, Tinku [IN/US]; 7292 S. Roberts Road, Tempe, AZ 85283 (US). METZ, Werner [US/US]; 568 N. Saquaro, Chandler, AZ 85226 (US).		Published With international search report.	
(74) Agents: MILLIKEN, Darren, J. et al.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).			

(54) Title: AN AUTO-FOCUSING ALGORITHM USING DISCRETE WAVELET TRANSFORM

(57) Abstract

What is disclosed is a method that includes generating an overall sharpness parameter for a given focus position by performing a Discrete Wavelet Transform upon an image captured by an imaging device (530) and automatically focusing said imaging device to an optimal focus position by comparing a plurality of different sharpness parameters. The optimal focusing position is automatically determined by finding the highest sharpness parameter for a given scene (540).

