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(54) Title: DETECTION SCHEME FOR PARTICLE SIZE AND CONCENTRATION MEASUREMENT

(57) Abstract: The present invention provides a system and method of particle size and concentration measurement that comprises the steps of: providing a focused, synthesized, structured laser beam, causing the beam to interact with the particles, measuring the interaction signal and the number of interactions per unit time of the beam with the particles, and using algorithms to map the interaction signals to the particle size and the number of interactions per unit time to the concentration.

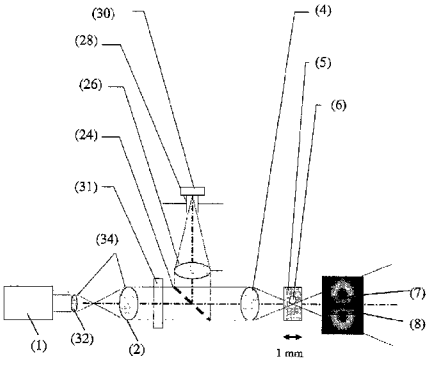


Fig. 6

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