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(54) Title: MICROORGANISM EVALUATION SYSTEM

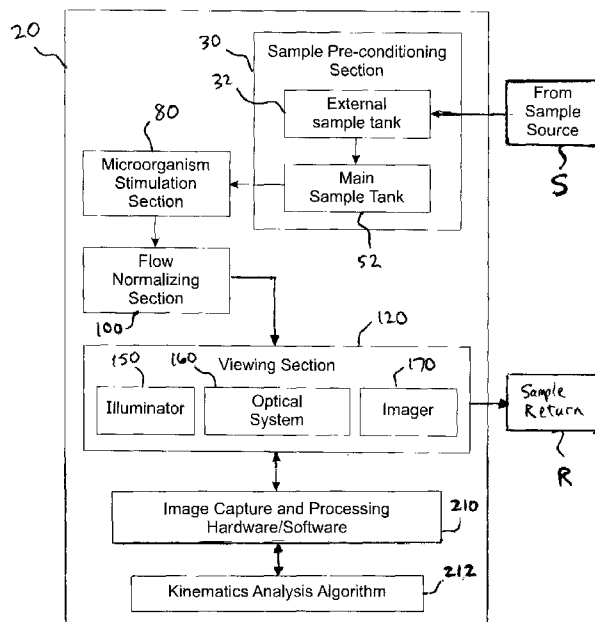


Fig. 1

(57) Abstract: A microorganism evaluation system for analyzing microorganisms within a fluid flow, comprising a microorganism stimulation section comprising a means for inducing a motive response in a living microorganism within the fluid flow passing through the microorganism stimulation section, and a viewing section in fluid communication with the microorganism stimulation section, the viewing section comprising a body having formed therein a body cavity defining a viewing port visible through a cavity first opening formed in the body so as to be in communication with the body cavity, the viewing section further comprising an optical system mounted relative to the body for viewing the fluid flow within the viewing port through the cavity first opening, whereby image data relating to the fluid flow and microorganisms therein is acquired via the optical system for analysis.



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