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(54) Title: SCALABLE SPECTROSCOPIC DETECTION AND MEASUREMENT

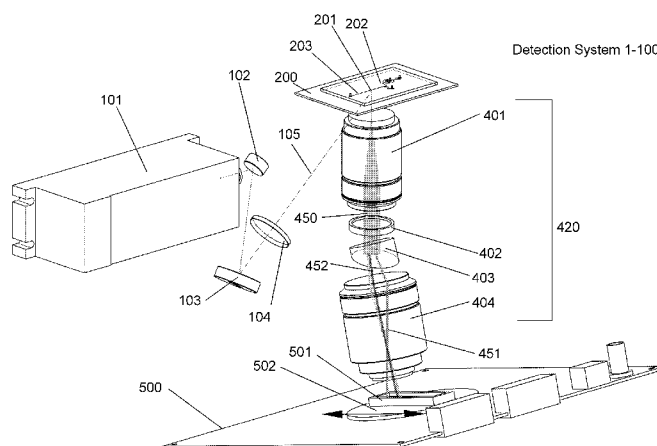


FIG. 1

(57) Abstract: The present invention generally pertains to a system, method and kit for the detection and measurement of spectroscopic properties of light from a sample, or the scalable detection and measurement of spectroscopic properties of light from each sample present among multiple samples, simultaneously, wherein the system comprises: an optical train comprising a dispersing element; and an image sensor. The light detected and measured may comprise light scattered from a sample, emitted as chemiluminescence by a chemical process within a sample, selectively absorbed by a sample, or emitted as fluorescence from a sample following excitation.

