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(54) **Title**: CELL IMAGE CAPTURING AND REMOTE MONITORING SYSTEMS

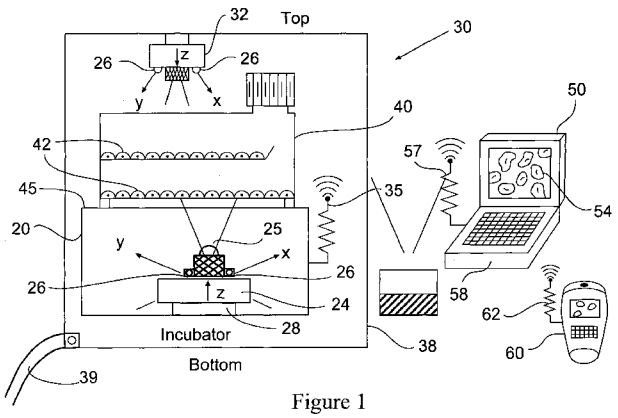

Figure 1

(57) **Abstract**: The present invention provides a cell culture data and cell image capturing and remote monitoring system that includes an imaging sensor pod having one or more cameras to capture multiple color still and/or motion images of cell cultures and cells located on a support and/or in a liquid located in a culture vessel within an incubator. The images can be taken at varying magnifications, and from different discrete locations on the support or in the vessel round the clock. The captured data and images are wirelessly transmitted to a management control unit, and/or another wirelessly connected and remotely located data transmission device such as PDA, for a researcher to review and analyze to determine the health and viability of cells, and the status of the cell culture. The image capturing and remote monitoring system taught herein alleviates the need for a researcher to be in the physical presence of a biological sample in order to visually ascertain and analyze the health and viability of the sample and status of the cell culture.

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