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(54) Title: METHOD AND SYSTEM FOR PORTABLE CELL DETECTION AND ANALYSIS USING MICROFLUIDIC TECHNOLOGY

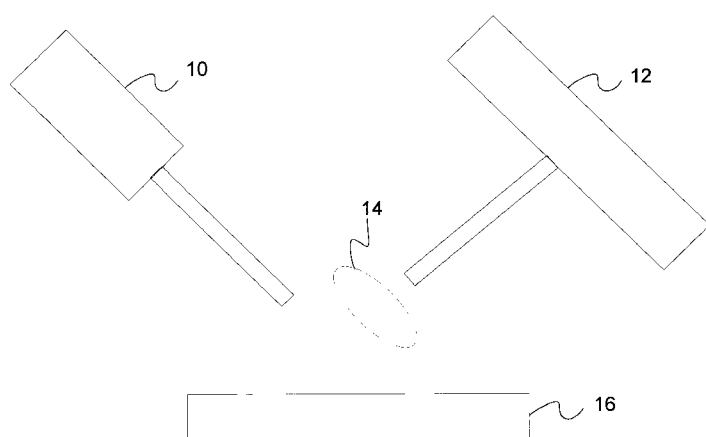


FIG. 1

(57) Abstract: The present invention is a method and a system of cell detection and analysis. The present invention may incorporate at least an optical source, a fluidic chip and a detection module. Cells may be caused to flow within the fluidic chip and specifically past a detection window section accessible by the optical source. The flowing cells may be identified and/or analyzed. The detection module may specifically count the cells of interest as they flow past the detection window section of the chip. The detection module may further be operable to generate or otherwise capture images of the cells as they flow past the window and to use these images collectively for the purpose of analyzing the cells. The present invention may be portable and operable in remote locations.



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