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(54) Title: SCREENING OF FLUORESCENT MICROBES USING MICROFABRICATED DEVICE

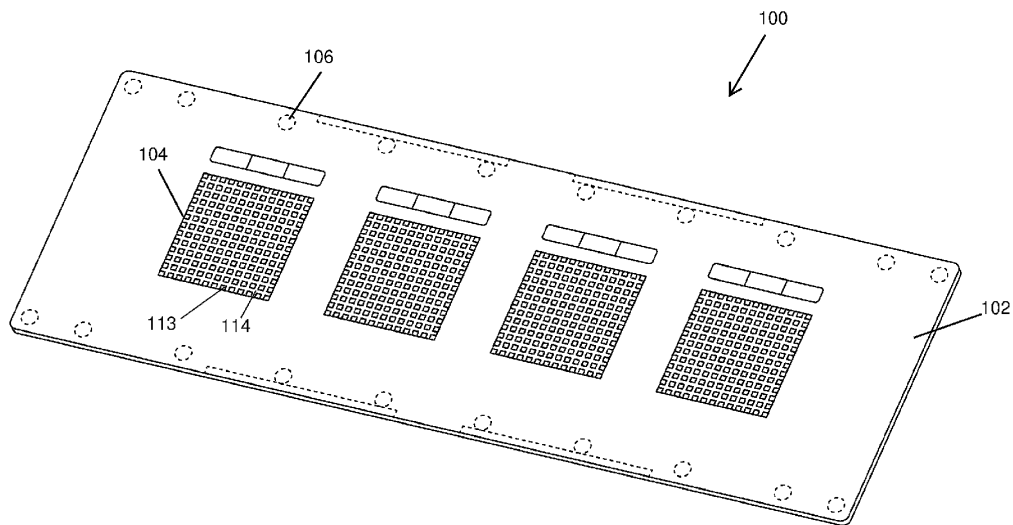


FIG. 1

(57) Abstract: A method of identifying a fluorescent cell in a sample using a microfabricated chip having a top surface including a plurality of microwells. At least one cell of a sample is loaded into at least one microwell of the plurality of microwells. The microfabricated chip is incubated to grow a population of cells from the at least one cell in the at least one microwell. Fluorescence exhibited by at least one microwell is detected by analyzing an image of the microfabricated chip, to thereby determine a presence of a fluorescent cell of interest in the sample.

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