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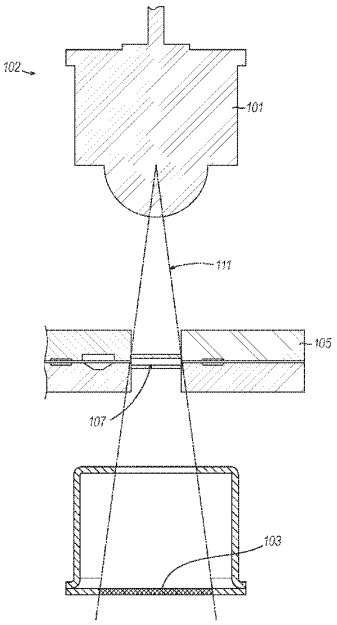


FIG. 1

(57) Abstract: Microfluidic apparatuses (e g., systems, devices, etc.) and methods for microfluidic provide detection of polynucleotide concentration. These apparatuses may include removable, single-use or reusable microfluidic members that may include one or more channels, chambers and/or substrates for performing microfluidic maneuvers and are adapted for detection of polynucleotide concentration. For example, the microfluidic member may be a microfluidic cartridge that may be inserted, held and/or seated in a microfluidic driver apparatus that may oversee and control operations within one or more cartridges based in part on the detected concentration of polynucleotide.

WO 2024/035754 A1

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