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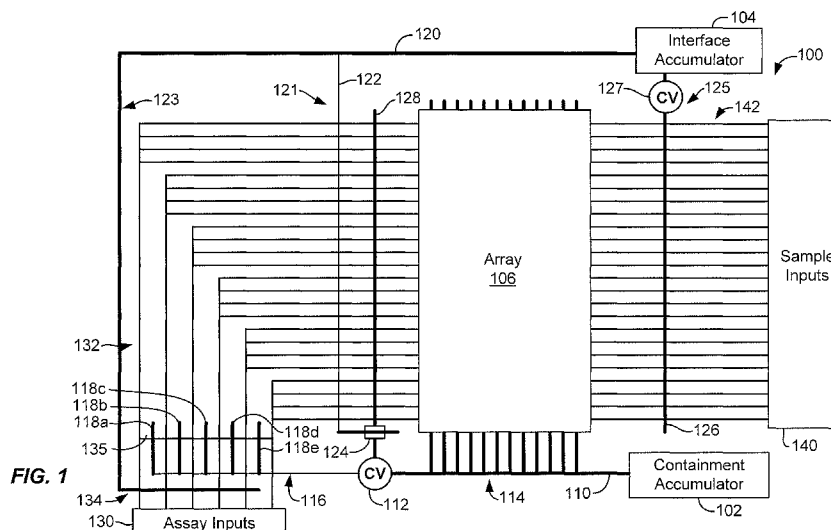
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(54) Title: PROGRAMMABLE MICROFLUIDIC DIGITAL ARRAY



(57) Abstract: A microfluidic device includes a pressure source and a control line in fluid communication with the pressure source. The microfluidic device also includes a plurality of valves operated via the control line and an independent valve positioned adjacent the control line and between the pressure source and the plurality of valves.