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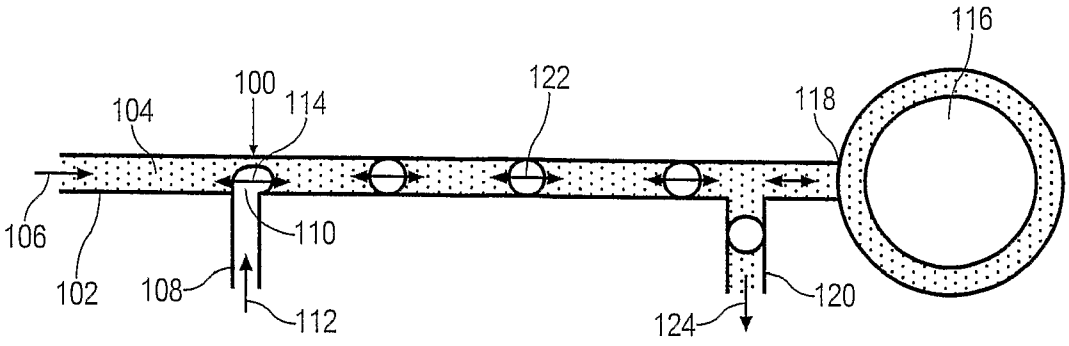
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(54) **Title:** ACTIVE CONTROL FOR DROPLET-BASED MICROFLUIDICS



(57) **Abstract:** A microfluidic network for active control of characteristics of at least one micro- droplet is disclosed. The microfluidic network comprises at least one junction of at least one first channel and at least one second channel; and an electrically controlled actuator at or adjacent the junction to induce a change in the characteristics of the at least one micro-droplet: A corresponding method is also disclosed.

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