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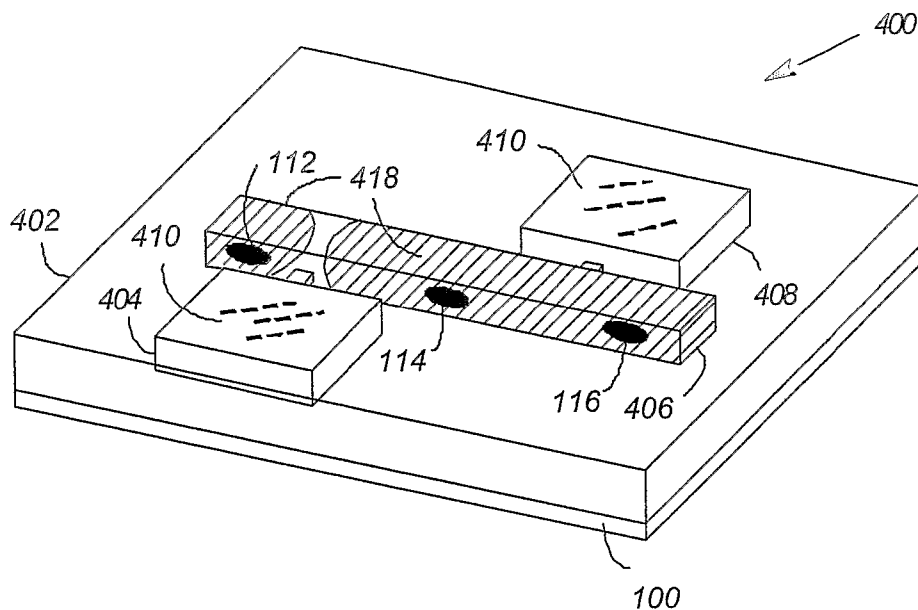
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(54) Title: FLUID-BASED SWITCHES



(57) Abstract: Fluid-based switches are disclosed. In one embodiment, the switch (400) comprises first (100) and second (402) mated substrates defining therebetween at least portions of a number of cavities, the first substrate defining a plurality of indentations (102, 104, 106) defined within a first one of the cavities (406), a plurality of electrical contacts (112, 114, 116), each electrical contact deposited within one of the indentations, a switching fluid (418), held within the first cavity, that serves to open and close at least a pair of the plurality of electrical contacts in response to forces that are applied to the switching fluid, and an actuating fluid (410), held within one or more of the cavities, that applies the forces to the switching fluid.

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