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(54) Title: FUNCTIONALIZED SURFACE FOR FLOW CONTROL DEVICE

(57) Abstract: Flow control devices can include functionalized surfaces on inner regions of walls. A functionalized surface can include a hydrophilic and/or a hydrophobic material that can affect fluid flowing in a flow path of a wall to facilitate fluid selection by the flow control device. Fluids may be switched in a flow control device using a functionalized surface even when a density and viscosity of different oil and water mixtures of the fluids are the same.

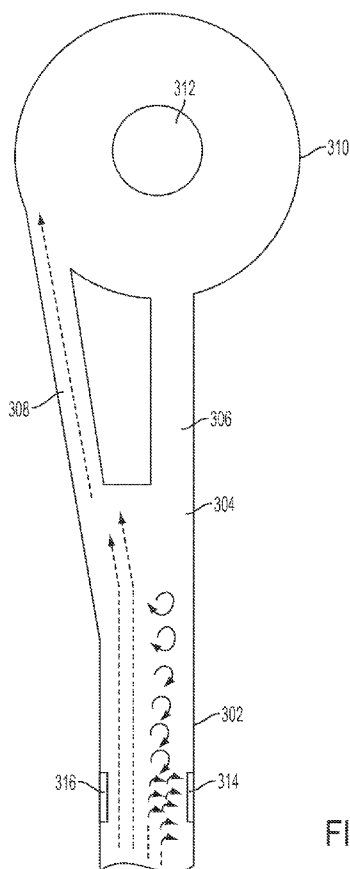


FIG. 3



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