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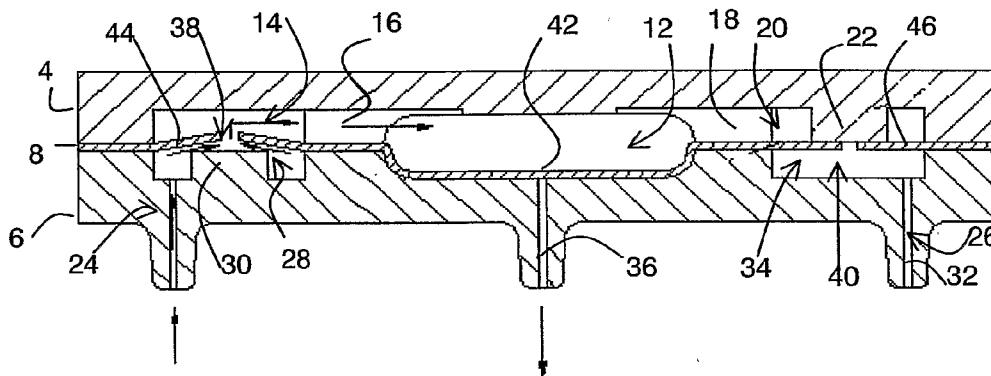
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(54) Title: MICRO-PUMP



(57) Abstract: A micro-pump having a first layer (4), a second layer (6) disposed on either side of an intermediate flexible layer (8) to define a pumping chamber (12). The pumping chamber (12) encloses an actuable portion (42) of the intermediate layer (8) and valve seats (30, 22) that abut the inlet hole (38) and the outlet hole (40) of the layer (8). The actuable portion (42) is moveable to increase and reduce the volume of the pumping chamber (12) to allow pressure to lift the respective intermediate layer portions surrounding the inlet hole (40) and the outlet hole (40) to thereby draw fluid and expel fluid from the pumping chamber (12) respectively.

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