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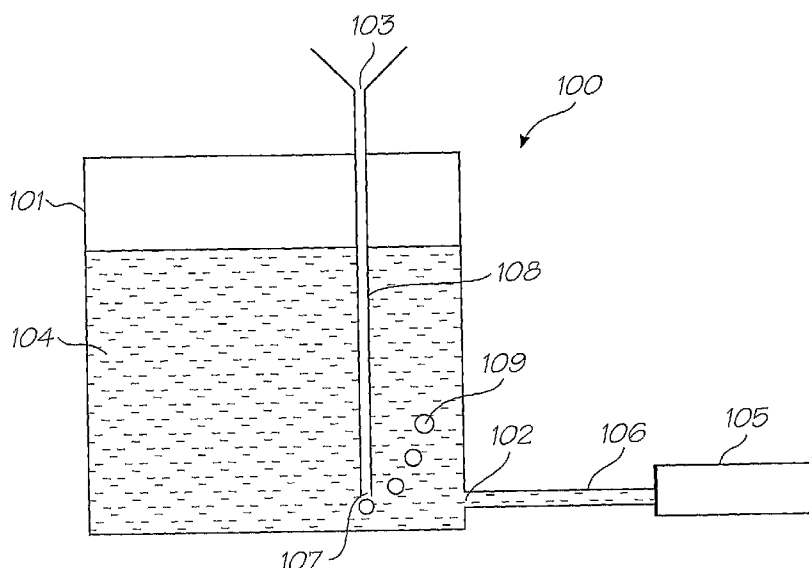
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(54) Title: INK PRESSURE REGULATOR



(57) Abstract: There is provided an ink pressure regulator for regulating a hydrostatic pressure of ink supplied to an inkjet printhead. The regulator comprises: an ink chamber having an ink outlet for fluid communication with the printhead via an ink line; an air inlet open to atmosphere; a bubble outlet for bubbling air bubbles into the chamber, each air bubble comprising an air cavity trapped inside a film or a body of ink; and an air channel connecting the air inlet and the bubble outlet. The bubble outlet is dimensioned to control a Laplace pressure of air bubbles drawn into the chamber as result of supplying ink to the printhead, thereby regulating a hydrostatic pressure of the ink.

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