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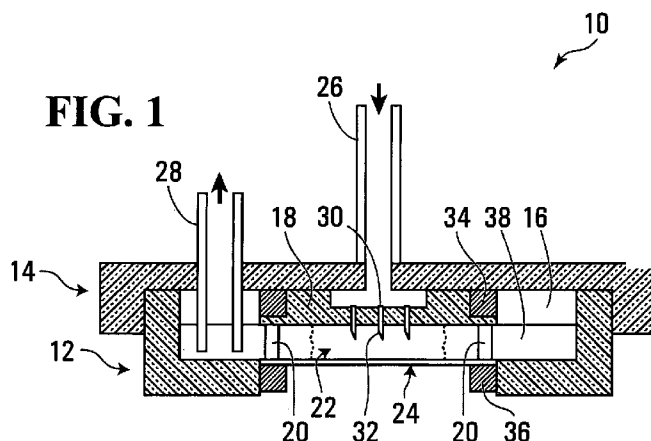
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
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(54) Title: IMAGING CHAMBER WITH WINDOW AND MICRO-NEEDLE PLATFORM MAGNETICALLY BIASED TOWARD EACH OTHER

FIG. 1



(57) Abstract: A device for imaging a tissue culture comprises a chamber for housing a tissue to be cultured and imaged. The chamber comprises a transparent window. The device also includes a platform facing the window. Micro-needles are mounted on the platform and are connected for fluid communication with a fluid source. The platform and the window are magnetically biased toward each other to press the micro-needles into a tissue sandwiched between the window and platform for injecting a fluid into the tissue. One or more spacers are placed between the platform and the window for preventing over-compression of the tissue by the platform and the window. During use, a fluid is supplied to the tissue through the needles from the fluid source and the tissue is imaged through the window of the chamber.

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