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(54) Title: MODULAR MULTI-LAYER MICROFLUIDIC CARTRIDGES

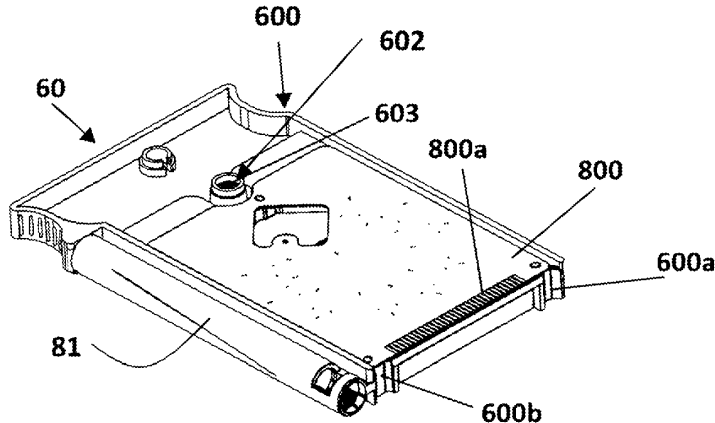


FIG. 1A

(57) Abstract: The present invention generally relates to multi-layer microfluidic cartridges comprising alignment features that can be used during assembly to provide precise alignment of the cartridge's layers with respect to planar and rotational or angular alignments imposed on a first virtual triangle to align all layers of the microfluidic cartridge such that their centers lie on a second virtual triangle, and with each slot's longitudinal axis aligned with the one of the angle bisectors of the second virtual triangle's included angles, and wherein the angle bisectors meet within the respective virtual triangles. Such cartridges are suitable for use in medical diagnostics, for example.

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