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(54) Title: METHODS, SYSTEMS, AND DEVICES FOR SAMPLE INTERFACE

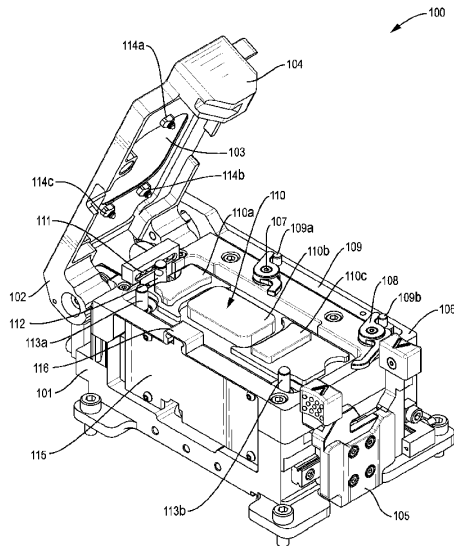


FIG. 1A

(57) Abstract: An assembly includes a stage body, a cam plate disposed on the body, and a sample positioning plate having a sample positioning surface configured to receive a sample device. The surface has first, second, and third raised portions. The second raised portion is disposed between the first and third raised portions. The first, second, and third raised portions are configured to contact the sample device. The assembly includes a riser module disposed within the stage body. The riser module is coupled to the plate and the body. The assembly includes a lid configured to be coupled to the cam plate. The lid has a coupled configuration and an uncoupled configuration such that, when in the coupled configuration, a recess is formed by the lid and the plate. The assembly includes one or more light sources disposed in the cam plate that are configured to direct light within the recess.

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