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(54) Title: SMALL VOLUME MIXING DEVICE HARDWARE

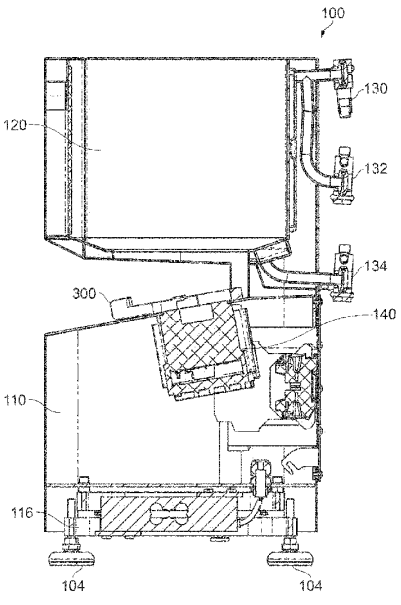


FIG. 1F

(57) Abstract: A bioprocess mixer system (100), comprising: a mixer base assembly (200) comprising: a body having: an upper end (202) including a mating face (203) for mixing vessel (240) connection; a lower end (204) including a cavity (214); a plurality of side walls (210), the plurality of side walls (210 comprising a rounded side wall (220) and a flat side wall (210); an inlet port (208) arranged in one of the one or more side walls (210) an outlet port (207) arranged in one of the one or more side walls (210); at least one probe port (209) arranged in one of the one or more side walls (210); and, a fluid mixing chamber (212) having a bottom wall (205); an impeller seat (230) arranged in the cavity (214) in the lower end (204) of the body; and, an impeller (236) arranged in the impeller seat (230); and a mixer drive system (140) comprising: a drive system (140) configured to drive the impeller (236); and a housing (400) containing the drive system (140), the housing (400) comprising a locking mechanism configured to lock the mixer base assembly (200) into an aligned position when connected to the housing (400).

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