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(54) Title: POLISHING FLUID COLLECTION APPARATUS AND SUBSTRATE POLISHING METHODS RELATED THERETO

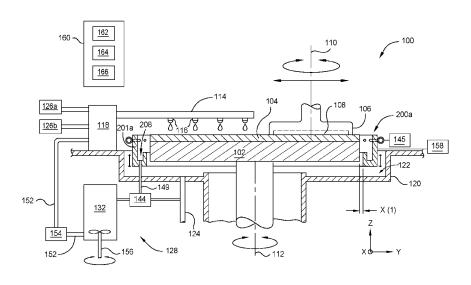


FIG. 1

(57) Abstract: Embodiments of the present disclosure generally provide apparatus for collecting and reuse polishing fluids and methods related thereto. In particular, the apparatus and methods provided herein feature a polishing fluid collection system used to collect and reuse polishing fluids dispensed during the chemical mechanical polishing (CMP) of a substrate in an electronic device manufacturing process. In one embodiment, a polishing fluid catch basin assembly includes a catch basin sized to surround at least a portion of a polishing platen and to be spaced apart therefrom. The catch basin features an outer wall, an inner wall disposed radially inward of the outer wall, and a base portion connecting the inner wall to the outer wall. The outer wall, the inner wall, and the base portion collectively define a trough. A radially inward facing surface of the inner wall is defined by an arc radius which is greater than a radius of the polishing platen the catch basin is sized to surround.



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