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(54) **Title:** METHODS AND APPARATUSES FOR CLEANING ELECTROPLATING SUBSTRATE HOLDERS

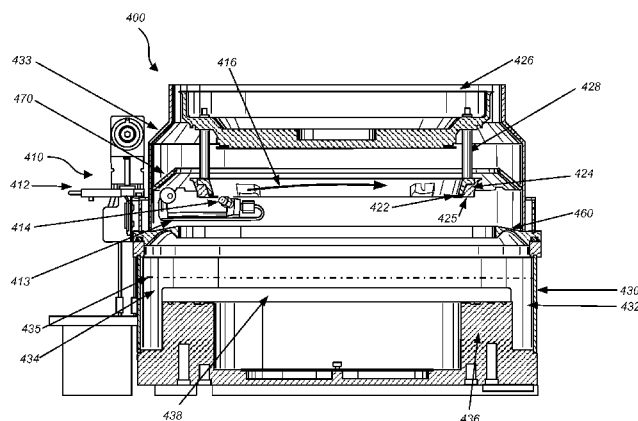


FIG. 4A

(57) **Abstract:** Disclosed herein are methods of cleaning a lipseal and/or cup bottom of an electroplating device by removing metal deposits accumulated in prior electroplating operations. The methods may include orienting a nozzle such that it is pointed substantially at the inner circular edge of the lipseal and/or cup bottom, and dispensing a stream of cleaning solution from the nozzle such that the stream contacts the inner circular edge of the lipseal and/or cup bottom while they are being rotated, removing metal deposits. In some embodiments, the stream has a velocity component against the rotational direction of the lipseal and/or cup bottom. In some embodiments, the deposits may include a tin/silver alloy. Also disclosed herein are cleaning apparatuses for mounting in electroplating devices and for removing electroplated metal deposits from their lipseals and/or cup bottoms. In some embodiments, the cleaning apparatuses may include a jet nozzle.





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