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(54) Title: ULTRASONIC CLEANING TANK

(57) Abstract: An ultrasonic cleaning tank for use in cleaning electronic parts having a top portion and a bottom portion operably divided by a perforated dispersion plate. The cleaning tank is assembled to avoid internal projections or obstructions within the top portion to create a piston-like, laminar flow region. The dispersion plate is constructed to provide a backpressure within the bottom portion so as to promote even flow of a cleaning fluid through the perforations. The cleaning fluid flows upward past an electronic part. At the same time, an ultrasonic transducer supplies ultrasonic energy within the cleaning fluid creating cavitation such that any particulate matter is scrubbed from the electronic parts. The particulates are subsequently carried upward by the laminar flow and over a tank lip. The cleaning tank can be used in either a batch or recirculating mode.

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