

ABSTRACT OF THE DISCLOSURE

APPARATUS AND METHOD FOR PROVIDING AN INERTING GAS DURING SOLDERING

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Described herein is an apparatus and method for providing an inerting gas during the application of soldering to a work piece. In one aspect, there is provided an apparatus for providing an inerting gas into an atmosphere above a solder reservoir during soldering of a work piece comprising: a base comprising an interior volume in fluid
10 communication with an inerting gas source, a tube having an interior volume and comprising one or more perforations for the flow of inerting gas therethrough, and one or more support legs comprising an interior volume in fluid communication with the interior volume of the base and the interior volume of the tube, wherein the one or more support legs extend vertically upward from the base and elevate the tube above the surface of
15 molten solder contained within a solder reservoir, and wherein the inerting gas travels through the base, upward through the one or more support legs, into the interior volume of the tube, and out through the one or more perforations in the tube.

Fig. 1

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