

Title (en)
ULTRASONIC ATOMISER FOR LIQUIDS

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Application
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Abstract (en)
[origin: ES8204310A1] An ultrasonic liquid atomizer is disclosed in which the liquid feed to the atomizing surface extends axially through the atomizer. This arrangement enables improved and simplified coupling of the liquid supply tube to the atomizer. In a disclosed embodiment, rear and front horn sections sandwich a driver, and an atomizing section is coupled to the front horn section. A passage axially extends through the rear section, the driver, the front section and the atomizing section to an atomizing surface. The driver includes piezoelectric elements of annular configuration. A tubular member or a liquid supply tube itself is received in the passage. In a preferred embodiment, the tubular member of the liquid supply tube includes a decoupling sleeve section and a stepped portion adapted to engage a stepped portion in the rear section upon coupling the tubular member or liquid supply tube to the atomizer to draw the front and rear sections together.

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