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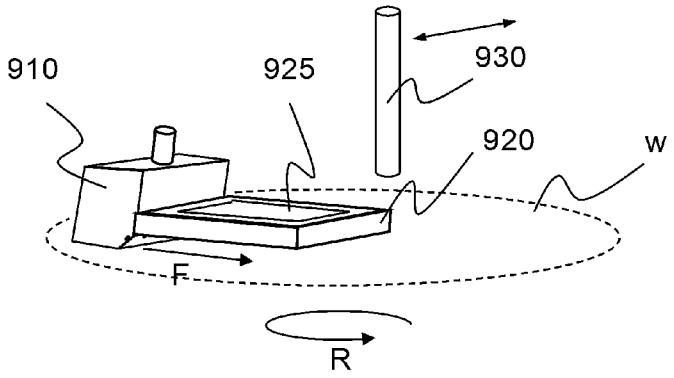
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(54) **Title**: IMPROVED ULTRASONIC CLEANING FLUID, METHOD AND APPARATUS

Fig. 9



(57) **Abstract**: A cleaning fluid including dispersed gas avoids using ultrasonic energy to induce cavitation by subjecting a liquid containing dissolved gas to a pressure reduction in a bubble machine, to generate a gas/liquid dispersion. The cleaning fluid can be used to clean articles such as semi¬ conductor wafers using a device that includes a holder and a vibrator for supplying ultrasonic or megasonic energy to the article.