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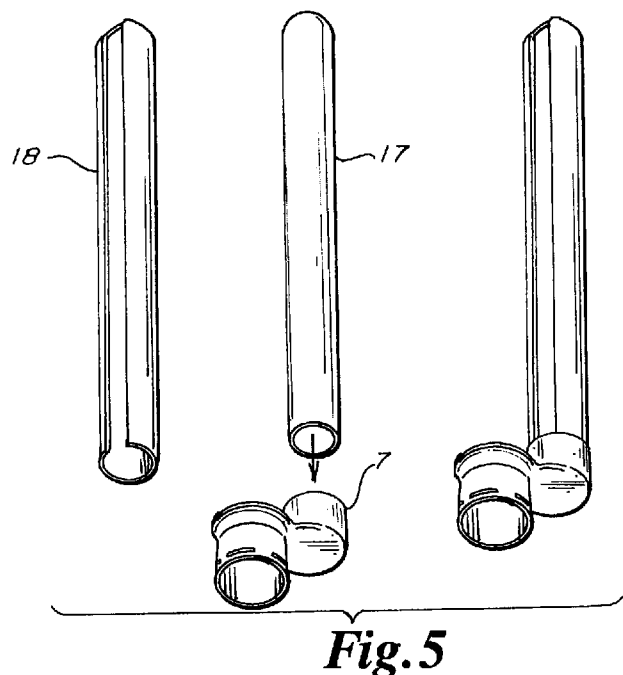
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[Continued on next page]

(54) Title: POROUS BARRIER FOR EVENLY DISTRIBUTED PURGE GAS IN A MICROENVIRONMENT



(57) Abstract: An improved system and method for purging a microenvironment to desired levels of relative humidity, oxygen, or particulates through the implementation of a purge gas delivery apparatus and method that provides even distribution of the purging gas within the microenvironment. A substrate container has a tower therein with a fluid flow passageway extending the length of the tower. Apertures with porous media between the aperture and fluid flow passageway regulate the volume and pressure of air discharging at each aperture. Alternatively, the tower may be formed of a porous tubular polymeric material. A sleeve may direct the discharge purge gas in the interior.

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