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(54) **Title:** COMPONENTS OF OPEN LIQUID DRUG TRANSFER SYSTEMS AND A ROBOTIC SYSTEM EMPLOYING THEM

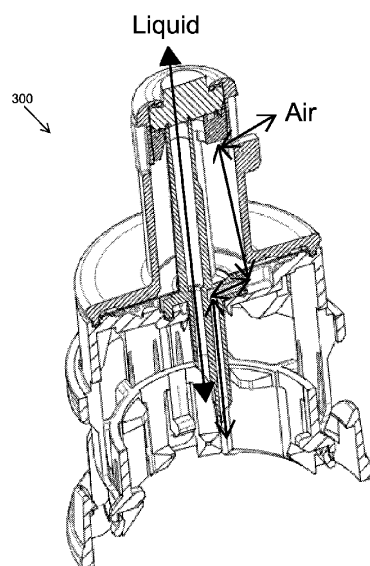


Fig. 15b

(57) **Abstract:** Presented herein are a robotic system that is configured for compounding and preparation of medications comprising non-hazardous drugs and a vented drug vial adapter. The robotic system comprises: a laminar flow cabinet; and at least one robotic arm. The vented drug vial adapter is designed to connect a drug vial to another component of a drug transfer system. The adapter comprises a hydrophobic filter that prevents passage of liquid while allowing air to pass through it and a vent hole to the atmosphere. The vent hole is located above the filter thereby allowing equalization of the internal pressure while preventing the drug from contaminating the atmosphere.

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