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(71) Applicant: **UNIVATION TECHNOLOGIES, LLC**
[US/US]; 5555 San Felipe, Suite 1950, Houston, Texas
77056 (US).

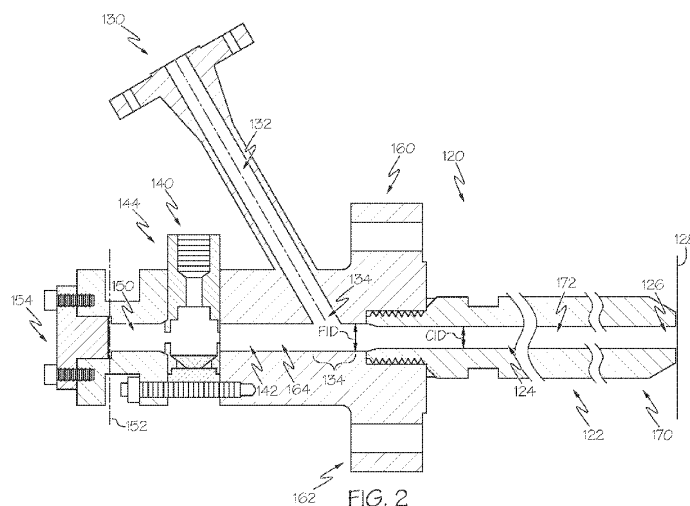
(72) Inventors: **BERNAL, Samuel M.**; c/o Univation Technologies, LLC, 7501 State Highway 185 North, Seadrift, Texas 77983 (US). **WHITE, Simon J.**; c/o Univation Technologies, LLC, 5555 San Felipe Suite 1950, Houston, Texas

77056 (US). **LE, Dung P.**; c/o Univation Technologies, LLC, 5555 San Felipe Suite 1950, Houston, Texas 77056 (US). **HURDLE, Michael I.**; c/o Univation Technologies, LLC, 5555 San Felipe Suite 1950, Houston, Texas 77056 (US). **DENTLER, David B.**; c/o Univation Technologies, LLC, 7501 State Highway 185 North, Seadrift, Texas 77983 (US).

(74) Agent: **INGLE, Cory J.** et al.; Dinsmore & Shohl LLP, One South Main Street, Suite 1300, Dayton, Ohio 45402 (US).

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(54) Title: MANIFOLD ASSEMBLIES FOR GAS PHASE REACTORS AND METHODS FOR OPERATING THE SAME



(57) Abstract: Disclosed herein is a method for polymerizing a compound in a gas phase reactor. The method includes at least passing a liquid catalyst to a catalyst inlet of a manifold assembly, passing a carrier gas to a carrier gas inlet of the manifold assembly, combining the liquid catalyst and the carrier gas in the main channel of the manifold assembly, and passing the combination of the liquid catalyst and the carrier gas to the reaction chamber. The present disclosure is also directed to manifold assemblies for communication with reaction chambers.

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