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(71) Applicant: **FMC TECHNOLOGIES, INC.** [US/US]; 200 E. Randolph Drive, Chicago, IL 60601 (US).

(72) Inventors: **DECKER, Robert, B.**; 40103 Roundup, Magnolia, TX 77354 (US). **SKEELS, Harold, B.**; 3610 Shady Village Drive, Kingwood, TX 77345 (US). **REINHARDT, Steven, A.**; 9558 Kelsey Meadows Court, Houston, TX 77040 (US).

(74) Agent: **QUERY, Henry, C., Jr.**; 504 S. Pierce Avenue, Wheaton, IL 60187 (US).

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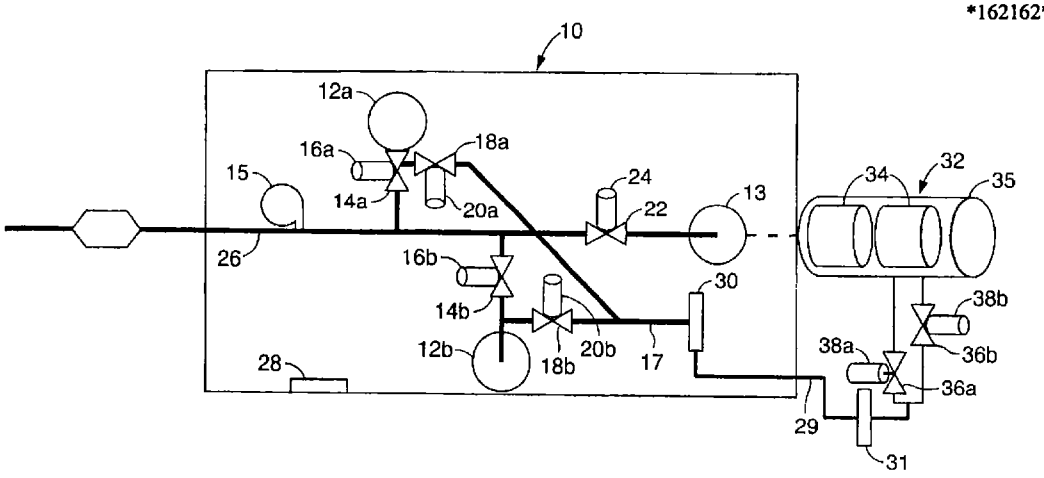
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(54) Title: SUBSEA PIG LAUNCHING APPARATUS

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(57) Abstract: A subsea pig launching apparatus for launching one or more pigs (34) into a flowline (26) which is fluidly connectable to a source of well fluid comprises at least one first hub (12a) to which the source of well fluid is connectable and which is in communication with the flowline (26), a first valve (14a) which is positioned between the first hub (12a) and the flowline (26), a second hub (13) which is in communication with the flowline (26), and a pig launcher (32) which is removably connectable to the second hub (13) and which comprises at least one pig (34), at least one launch valve (36a) which is positioned between a pressure source and the pig (34), and a launch actuator (38a) for selectively opening and closing the launch valve (36a). The launch actuator (38a) is controlled by a signal which is communicated through at least one of a number of external control and service lines that are connected to a control and service umbilical for the source of well fluid.

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