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- (71) **Applicant (for US only):** **SCHLUMBERGER TECHNOLOGY CORPORATION** [US/US]; 300 Schlumberger Drive, Sugar Land, Texas 77478 (US).
- (71) **Applicant (for CA only):** **SCHLUMBERGER CANADA LIMITED** [CA/CA]; 125 – 9 Avenue SE, Calgary, Alberta T2G 0P6 (CA).
- (71) **Applicant (for FR only):** **SERVICES PETROLIERS SCHLUMBERGER** [FR/FR]; 42 rue Saint Dominique, 75007 Paris (FR).
- (71) **Applicant (for all designated States except CA, FR, US):** **SCHLUMBERGER TECHNOLOGY B.V.** [NL/NL]; Parkstraat 83, 2514 JG The Hague (NL).
- (72) **Inventor:** **HASLANGER, Jonathan**; Schlumberger, 4601 Westway Park Blvd., Houston, Texas 77041 (US).
- (74) **Agent:** **BALLEW, Kimberly** et al.; Schlumberger, 10001 Richmond Avenue, Room 4720, Houston, Texas 77042 (US).
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(54) **Title:** TEST SYSTEM FOR A PRESSURE CONTROL EQUIPMENT SYSTEM

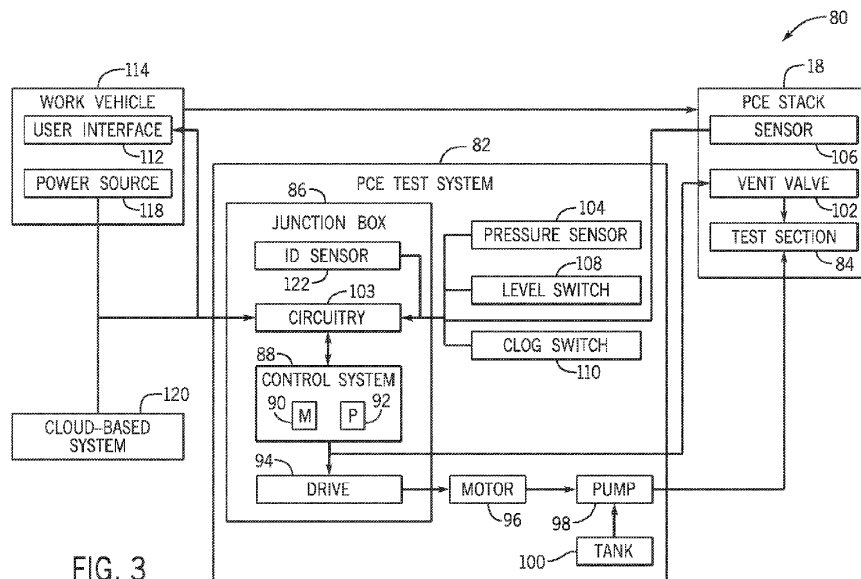


FIG. 3

(57) **Abstract:** A test system for a pressure control equipment (PCE) stack includes a pump for directing fluid into the PCE stack, a drive for operating the pump to control fluid flow into the PCE stack, and a controller communicatively coupled to the drive and a sensor that transmits sensor data indicative of pressure within the PCE stack. The controller instructs the drive to cause the pump to direct fluid into the PCE stack until the sensor data indicates that the pressure within the PCE stack has reached a threshold pressure, blocks fluid flow into and out of the PCE stack upon receiving sensor data indicating the pressure within the PCE stack has reached the threshold pressure, monitors the pressure within the PCE stack over a time interval, and determines a condition of the PCE stack based on a change in the pressure within the PCE stack during the time interval.

[Continued on next page]

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