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(54) Title: CONTROL SYSTEMS FOR LIQUID PRODUCT DELIVERY VEHICLES

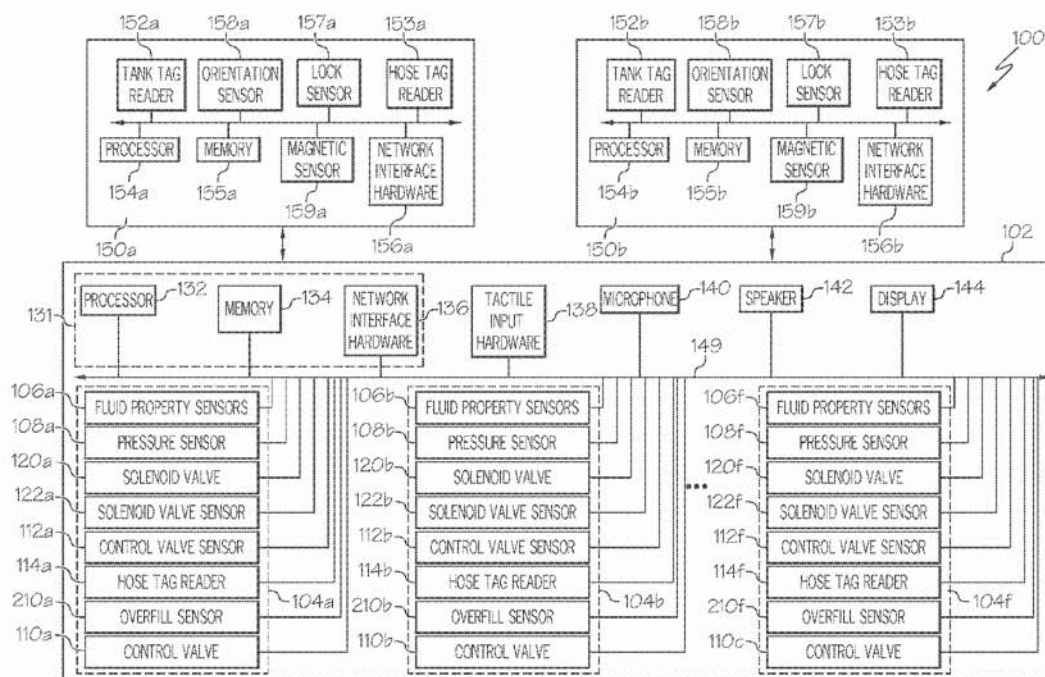


FIG. 3

(57) **Abstract:** A product delivery vehicle system includes a product delivery vehicle with at least one tank compartment. The system includes an internal valve fluidly coupled to the tank compartment, a control valve, and an air system comprising a main air valve and a solenoid valve fluidly coupled to the main air valve and to the internal valve. The solenoid valve is operable to open and close the internal valve. The system includes an electronic control unit communicatively coupled to the control valve, the main air valve, and the solenoid valve. The system includes a tank tag reader operable to read a tank tag and transmit a tank tag indicator associated with the tank tag, the tank tag indicator indicative of a stored liquid type in a distribution tank. The electronic control unit may maintain the internal valve closed and the control valve locked when a product type mismatch is detected.

SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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