US009410507B2

(12) **United States Patent**
Pearce et al.

(10) **Patent No.: US 9,410,507 B2**
(45) **Date of Patent: Aug. 9, 2016**

(54) **METHOD AND SYSTEM FOR DETECTING PHEV EVAP SYSTEM RECIRCULATION TUBE RELIABILITY**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 326 days.

(21) Appl. No.: **14/034,490**

(22) Filed: **Sep. 23, 2013**

(65) **Prior Publication Data**

US 2015/0083088 A1 Mar. 26, 2015

(51) **Int. Cl.**
F02M 37/20 (2006.01)
F02M 25/08 (2006.01)

(52) **U.S. Cl.**
CPC ***F02M 25/0809*** (2013.01); ***F02M 25/0854*** (2013.01); ***F02M 25/0872*** (2013.01)

(58) **Field of Classification Search**
CPC F02M 25/0809; F02M 25/0854; F02M 25/0836; F02M 25/0872
USPC 123/516, 519, 518; 73/204.11, 114.39; 701/34.4, 29.7; 141/59, 44
See application file for complete search history.

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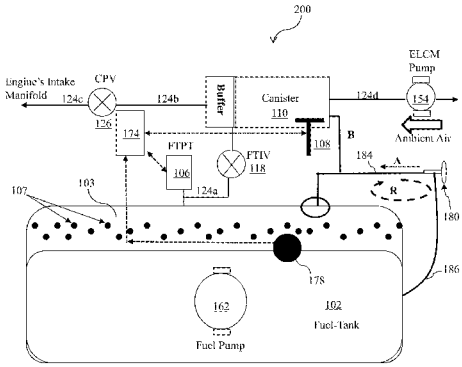
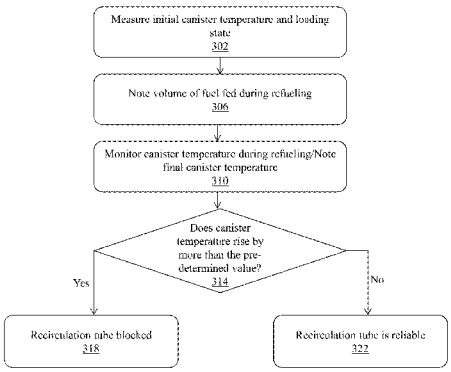
(57) **ABSTRACT**

A method for detecting blockage within a recirculation tube of the evaporative emission control system of a PHEV measures the rise in interior temperature of a canister of the EVAP system, during the process of refueling, and notes an initial state of loading of the canister before refueling, indicative of the amount of hydrocarbons contained within the canister It is inferred that the recirculation tube is operative reliably if the rise in canister temperature is below a pre-determined temperature value.

3 Claims, 4 Drawing Sheets