

Title (en)

Method and system to detect a leak in a vehicle fuel tank

Title (de)

Verfahren und System zur Erkennung eines Lecks bei einem Fahrzeugtank

Title (fr)

Procédé et système pour détecter une fuite dans un réservoir de carburant de véhicule

Publication

EP 2333290 B1 20130515 (EN)

Application

EP 09179024 A 20091214

Priority

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Abstract (en)

[origin: EP2333290A1] The present invention relates a method and system (1) to detect a leak in a vehicle fuel tank (2). It comprises performing the following steps as well as means for performing these steps. Closing a valve (3) sealing the fuel tank (2) from ambient air (9) upon shut off of an engine of the vehicle. Measuring (4) and logging (5, 6) the pressure in the fuel tank (2) over time to obtain a pressure curve. Analyzing the shape of the pressure curve over time from a first predetermined time t 1 after closing of the valve (3) to a second predetermined time t 2 . Separating a leaking and a non-leaking fuel tank (2) based on the result of said analysis.

IPC 8 full level

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Cited by

US2014334946A1; CN113390587A; CN110541768A; CN113389648A; DE102015217598A1; EP2801716A1; CN104141559A; US10302523B2; US10273907B2; US11261829B2

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