

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

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Application

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Priority

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Abstract (en)

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.

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