

Title (en)  
PURGING OF A VAPOUR CANISTER

Title (de)  
SPÜLUNG EINES KRAFTSTOFFDAMPFBEHÄLTERS

Title (fr)  
PURGE D'UN CONTENEUR DE VAPEURS DE CARBURANT

Publication  
**EP 1012467 A1 20000628 (EN)**

Application  
**EP 98942895 A 19980911**

Priority  
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Abstract (en)  
[origin: GB2329218A] Apparatus for and method of purging a fuel vapour canister comprising a canister 20 for collecting fuel vapour from a tank 30, means to provide ambient air to purge the canister and deliver a resulting air/vapour flow to an air intake manifold 16 of an i.c. engine, means 22 to cool air/vapour mixture and condense free fuel vapour so as to leave air saturated with vapour, means 108 to measure temperature and pressure of vapour laden air and estimate fuel content and subsequently compensate the normal fuel supply by a corresponding amount. The cooling may be provided by a Peltier effect thermoelectric element 24 integrated with an air conditioning system. Means may also be provided for either returning condensed fuel to the main tank 30 or to an auxiliary tank (not shown) for subsequent use during cold starting. The fuel vapour may be introduced to the air intake at a venturi 12 upstream of a throttle valve 14 or directly downstream of the throttle valve 14.

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IPC 8 full level  
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