

Title (en)
CANISTER PURGE VALVE WITH INTEGRATED VACUUM GENERATOR AND CHECK VALVES

Title (de)
SPÜLVENTIL FÜR KRAFTSTOFFDAMPFSAMMELBEHÄLTER MIT INTEGRIERTEM UNTERDRUCKERZEUGER UND RÜCKSCHLAGVENTILEN

Title (fr)
SOUPAPE DE PURGE D'UN RÉSERVOIR POUR VAPEUR DE CARBURANT POURVU D'UN GÉNÉRATEUR DE VIDE INTEGRÉ ET DES SOUPAPES ANTI-RETOUR

Publication
EP 2861861 B1 20180307 (EN)

Application
EP 12740241 A 20120615

Priority
US 2012042632 W 20120615

Abstract (en)
[origin: WO2013187912A1] An integrated canister purge valve (10) for a turbocharged vehicle engine includes a valve member (34) having a housing and being constructed and arranged to control vapor purge flow from a fuel tank and canister structure to an air intake manifold. A body is coupled to the housing. The body defines an interior space (15). Structure (16) separating the interior space into a first chamber (20) and a second chamber (22) isolated from the first chamber. The first chamber (20) has an inlet port (21) and an outlet port (23). A vacuum generator (12) is provided in the first chamber (20) and in fluid communication with the inlet and outlet ports. A first check valve (36) is in the first chamber (20) between the vacuum generator (12) and the valve member (34) and a second check valve (38) is in the second chamber (22) between the valve member (34) and a manifold outlet port (28).

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