

Title (en)  
FUEL VAPOR MANAGEMENT SYSTEM WITH PROPORTIONED FLOW SPLITTING

Title (de)  
KRAFTSTOFFDAMPFVERWALTUNGSSYSTEM MIT PROPORTIONIERTER STRÖMUNGSTEILUNG

Title (fr)  
SYSTÈME DE GESTION DE VAPEUR DE CARBURANT À FRAGMENTATION PROPORTIONNÉE DE L'ÉCOULEMENT

Publication  
**EP 2344413 B1 20121212 (EN)**

Application  
**EP 09737299 A 20091008**

Priority  
• US 2009059979 W 20091008  
• US 10442208 P 20081010

Abstract (en)  
[origin: WO2010042704A1] A fuel vapor management system for recovering fuel vapors displaced from vehicle fuel tanks, or the like, during the filling thereof from a bulk storage tank (102) is disclosed that has excellent emission control and pressure management. A flow splitter (108) is disclosed that utilizes positive pressure and locates downstream of a vacuum pump (111). The flow splitter is used to direct a portion of the gasoline vapors and air returned from the vehicle to an adsorbent canister (115) and the remaining portion to the UST (102), in such a proportion that a selected UST vacuum may be achieved. The flow splitter (108) may be included as a part of the vapor management system that relies upon a rapidly purging canister system and may be regenerated between vehicle refuelings, while minimizing canister volume requirements and stabilizing negative UST pressures. The disclosed system may be installed at the dispenser or centrally located.

IPC 8 full level  
**B67D 7/04** (2010.01)

CPC (source: EP)  
**B67D 7/0476** (2013.01)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010042704 A1 20100415**; CN 102245494 A 20111116; CN 103754814 A 20140430; CN 103754814 B 20170926;  
EP 2344413 A1 20110720; EP 2344413 B1 20121212

DOCDB simple family (application)  
**US 2009059979 W 20091008**; CN 200980149657 A 20091008; CN 201310637591 A 20091008; EP 09737299 A 20091008