Title (en)
Device for controlled introduction of volatile fuel components into the suction pipe of an internal combustion engine.

Title (de)
Vorrichtung zum dosierten Einspeisen flüchtiger Kraftstoffbestandteile in das Ansaugrohr einer Brennkraftmaschine.

Title (fr)
Dispositif pour l'introduction dosée de composants de carburant volatils dans le conduit d'aspiration d'un moteur à combustion interne.

Publication
EP 0507997 B1 19940330 (DE)

Application
EP 91121309 A 19911212

Priority
DE 4111259 A 19910408

Abstract (en)
[origin: US5226397A] An apparatus for temporarily storing and feeding in measured quantities the volatile fuel components found in the free space of a tank installation into the intake tube of an internal combustion engine includes a vent line which connects the free space to the atmosphere. A storage chamber with an absorption element is arranged in the vent line. A line connects the storage chamber to the intake tube and is capable of being sealed by a valve. A throttle valve is supported on a drive shaft and is configured in the intake tube. The valve includes an actuator, which is capable of being operated by the drive shaft.

IPC 1-7
F02M 25/08

IPC 8 full level
B60K 15/077 (2006.01); **F02D 9/02** (2006.01); **F02M 25/08** (2006.01)

CPC (source: EP US)
F02M 25/0836 (2013.01 - EP US)

Designated contracting state (EPC)
AT DE ES FR GB IT NL SE

DOCDB simple family (publication)
US 5226397 A 19930713; AT E103671 T1 19940415; BR 9201006 A 19921201; CA 2065541 A1 19921009; CA 2065541 C 19961112; DE 4111259 C1 19920423; DE 59101284 D1 19940505; EP 0507997 A2 19921014; EP 0507997 A3 19921125; EP 0507997 B1 19940330; ES 2051066 T3 19940601; JP H05106522 A 19930427; JP H086648 B2 19960129; MX 9201583 A 19921001

DOCDB simple family (application)
US 86190292 A 19920401; AT 91121309 T 19911212; BR 9201006 A 19920324; CA 2065541 A 19920407; DE 4111259 A 19910408; DE 59101284 T 19911212; EP 91121309 A 19911212; ES 91121309 T 19911212; JP 8694592 A 19920408; MX 9201583 A 19920407