

Title (en)

Device and methods for facilitating maintenance of a fuel delivery unit

Title (de)

Vorrichtung und Verfahren zur Vereinfachung der Wartung eines Kraftstoff-Förderaggregats

Title (fr)

Dispositif et procédés pour faciliter l'entretien d'une unité de distribution de carburant

Publication

**EP 1302439 B1 20041208 (EN)**

Application

**EP 02445129 A 20021011**

Priority

SE 0103431 A 20011012

Abstract (en)

[origin: EP1302439A1] This invention provides a device for a fuel delivery unit. The device comprises a channel (9) for conducting a fuel flow, a filter unit arranged for filtering the fuel flow in the channel and a first non-return valve (4) arranged downstream of the filter unit (6), said first non-return valve (4) allowing the fuel to flow freely in a first direction (F) but preventing the fuel from flowing in a second direction. The device further comprises a second non-return valve (7) arranged upstream of said filter unit (6), allowing the fuel to flow freely at a first flow rate in the first direction (F) but substantially preventing the fuel from flowing in the second direction. The device also comprises leakage means (13) for allowing the fuel to flow at a second flow rate in the second direction, from a downstream side to an upstream side of the second non-return valve (7). The invention is further directed to a fuel delivery unit comprising a such a device, methods of installation and filter maintenance in such a fuel delivery unit. <IMAGE>

IPC 1-7

**B67D 5/58**; B67D 5/06; B67D 5/34

IPC 8 full level

**B67D 7/06** (2010.01); **B67D 7/36** (2010.01); **B67D 7/76** (2010.01)

CPC (source: EP)

**B67D 7/06** (2013.01); **B67D 7/36** (2013.01); **B67D 7/76** (2013.01)

Cited by

EP1847708A1; SE2050908A1; SE545335C2

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

**EP 1302439 A1 20030416**; **EP 1302439 B1 20041208**; DE 60202182 D1 20050113; DE 60202182 T2 20050421; SE 0103431 D0 20011012; SE 0103431 L 20030413; SE 523217 C2 20040406

DOCDB simple family (application)

**EP 02445129 A 20021011**; DE 60202182 T 20021011; SE 0103431 A 20011012