

Title (en)
FUEL DELIVERY MEANS FOR VEHICLES

Title (de)
KRAFTSTOFFFÖRDEREINRICHTUNGEN FÜR KRAFTFAHRZEUGEN

Title (fr)
DISPOSITIFS D'ALIMENTATION EN CARBURANT DE VEHICULES

Publication
EP 0843782 B1 20000301 (DE)

Application
EP 96932432 A 19960802

Priority
• DE 9601447 W 19960802
• DE 19547876 A 19951221

Abstract (en)
[origin: DE19547876A1] The invention relates to a fuel line (16) which connects components of the fuel delivery means to each other or to the internal combustion engine (14). The fuel line (16) is in the form of a pipe (16) and fastened to a connection member (20). The periphery of the pipe (16) has a bearing bulge (36) adjacent the connection member (20). By dividing the pipe (16) the pipe section (16a) which remains on the connection member (20) has the bearing bulge (36) and produces a new connection member to which a new fuel line, for example, a flexible hose, can be fastened. The fuel line or components connected thereto are simple to dismantle due to the preparation of the pipe (16) with the bearing bulge (36).

IPC 1-7
F02M 37/00; F16L 13/14

IPC 8 full level
F02M 37/00 (2006.01); **F02M 37/10** (2006.01); **F16L 13/14** (2006.01); **F16L 21/00** (2006.01)

CPC (source: EP KR US)
F02M 37/00 (2013.01 - KR); **F02M 37/0017** (2013.01 - EP US); **F02M 37/106** (2013.01 - EP US); **F02M 37/0047** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
DE 19547876 A1 19970626; CN 1072769 C 20011010; CN 1173909 A 19980218; DE 59604550 D1 20000406; EP 0843782 A1 19980527; EP 0843782 B1 20000301; JP H11501103 A 19990126; KR 100280065 B1 20011027; KR 19980702339 A 19980715; US 5884669 A 19990323; WO 9723723 A1 19970703

DOCDB simple family (application)
DE 19547876 A 19951221; CN 96191920 A 19960802; DE 59604550 T 19960802; DE 9601447 W 19960802; EP 96932432 A 19960802; JP 52319597 A 19960802; KR 19970705736 A 19970820; US 87547197 A 19970710