

Title (en)

DEVICE FOR SUPPLYING PREFERABLY LIQUID OR GASEOUS FUELS TO A COMBUSTION CHAMBER

Title (de)

EINRICHTUNG ZUM ZUFÜHREN VON VORZUGSWEISE FLÜSSIGEN ODER GASFÖRMIGEN BRENNSTOFFEN IN EINEN BRENNRAUM

Title (fr)

DISPOSITIF POUR ACHEMINER UN COMBUSTIBLE DE PREFERENCE LIQUIDE OU GAZEUX DANS UNE CHAMBRE DE COMBUSTION

Publication

EP 1235979 A2 20020904 (DE)

Application

EP 00991133 A 20001114

Priority

- DE 19957055 A 19991127
- EP 0011267 W 20001114

Abstract (en)

[origin: WO0138713A2] The invention relates to a device for supplying preferably liquid or gaseous fuels to a combustion chamber. Said device comprises a nozzle body which contains a hollow chamber and can be connected to a fuel supply line. The outlet of the nozzle body can be closed using a sealing element which has at least one flow channel, preferably a sealing cone. An actuating element (22) which is located in the hollow chamber (2) of the nozzle body (1) and controls the sealing element (11), can be displaced in a first direction by the fuel which is to be supplied, against the force of a counter-bearing (23) located in the hollow chamber (2), in order to expose the outlet (18) of the nozzle body (1) and in a second direction opposed to the first by the counter-bearing (23), in order to close the outlet (18).

IPC 1-7

F02M 1/00

IPC 8 full level

F02B 43/00 (2006.01); **F02M 21/02** (2006.01); **F23D 11/10** (2006.01); **F23D 11/24** (2006.01); **F23D 11/38** (2006.01)

CPC (source: EP US)

F02B 43/00 (2013.01 - EP US); **F02M 21/0251** (2013.01 - EP US); **F02M 21/0263** (2013.01 - EP US); **F23D 11/107** (2013.01 - EP US); **F23D 11/24** (2013.01 - EP US); **F23D 11/38** (2013.01 - EP US); **Y02T 10/30** (2013.01 - EP US)

Citation (search report)

See references of WO 0138713A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0138713 A2 20010531; **WO 0138713 A3 20011220**; AU 3154501 A 20010604; DE 19957055 A1 20010531; EP 1235979 A2 20020904; US 6637674 B1 20031028

DOCDB simple family (application)

EP 0011267 W 20001114; AU 3154501 A 20001114; DE 19957055 A 19991127; EP 00991133 A 20001114; US 13006502 A 20020509