

Title (en)

FILTER MEDIUM FOR LIQUID FUELS AND FILTER DEVICE UTILIZING SAME

Title (de)

FILTERMEDIUM FÜR FLÜSSIGBRENNSTOFFE UND FILTERVORRICHTUNG, BEI DEM DIESES ZUR ANWENDUNG KOMMT

Title (fr)

MILIEU FILTRANT POUR CARBURANTS LIQUIDES ET DISPOSITIF DE FILTRAGE L'UTILISANT

Publication

EP 1421156 A1 20040526 (EN)

Application

EP 02766699 A 20020408

Priority

- RU 0200155 W 20020408
- RU 2001111403 A 20010427

Abstract (en)

[origin: WO02088278A1] A filter medium for liquid fuels and a filter device comprise at least one porous layer of a titanium-base component and at least one layer of a copper-base component having a higher normal electrode potential compared with that of titanium. To make the filterdevice able to activate the fuel fed for combustion, electron conduction is rendered to all components of the filter medium and accordingly to parts of the active zone of the filter device, while the layers are spaced apart but for a portion of the surface thereof to provide a galvanic coupling, the layer of the copper-base component being likewise porous and having a mean pore size and total porosity in excess of those of the layer of the titanium-base component. When fit in the filter case the layer of the copper-base component is upstream from the other layers. 2 indep. claims and 12 dependent claims; 1 drawing figure; 2 tables; 6 examples.

IPC 1-7

C10G 31/09; B01D 39/10; B01D 39/20; F02M 37/22

IPC 8 full level

B01D 39/20 (2006.01); **C10G 31/09** (2006.01); **F02M 37/22** (2006.01); **F02M 27/04** (2006.01)

CPC (source: EP US)

B01D 39/2068 (2013.01 - EP); **C10G 31/09** (2013.01 - EP US); **F02M 37/34** (2018.12 - EP US); **F02M 37/42** (2018.12 - EP US); **F02M 27/04** (2013.01 - EP)

Cited by

CN111036256A

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 02088278 A1 20021107; EP 1421156 A1 20040526; EP 1421156 A4 20050209

DOCDB simple family (application)

RU 0200155 W 20020408; EP 02766699 A 20020408