

Title (en)

POROUS MEDIA FOR DISSIPATING ELECTRICAL CHARGE

Title (de)

PORÖSES MEDIUM ZUM ABLEITEN VON ELEKTRISCHEN LADUNGEN

Title (fr)

MILIEUX POREUX DESTINE A DISSIPER LA CHARGE ELECTRIQUE

Publication

EP 1239937 A1 20020918 (EN)

Application

EP 00982181 A 20001122

Priority

- US 0031948 W 20001122
- US 16699099 P 19991123

Abstract (en)

[origin: WO0137970A1] Disclosed are porous media, including filter media, that dissipate electrical charges that are generated when a fluid such as a non-polar fluid moves through the porous media. The porous media include a non-conductive glass, polymeric, or ceramic fiber and a conductive polymer fiber, a non-conductive glass or ceramic fiber and a conductive material-coated fiber, a non-conductive glass fiber and a metal-impregnated conductive fiber, a non-conductive synthetic polymeric fiber and a metal-coated fiber, a non-conductive natural polymeric fiber and a conductive material-impregnated fiber, or a non-conductive glass, ceramic, or synthetic polymeric fiber and a metal fiber. A composite filter medium comprises a conductive or nonconductive fiber layer laid on and bonded to an electrically conductive substrate.

IPC 1-7

B01D 39/16; **B01D 39/20**

IPC 8 full level

B01D 39/14 (2006.01); **B01D 39/16** (2006.01); **B01D 39/18** (2006.01); **B01D 39/20** (2006.01); **D21F 11/14** (2006.01); **D21H 13/40** (2006.01); **D21H 13/48** (2006.01); **D21H 27/08** (2006.01)

CPC (source: EP)

B01D 39/1607 (2013.01); **B01D 39/2017** (2013.01); **B01D 39/2041** (2013.01); **B01D 39/2065** (2013.01); **B01D 39/2082** (2013.01); **B01D 2201/50** (2013.01); **B01D 2239/0241** (2013.01); **B01D 2239/0464** (2013.01); **B01D 2239/0492** (2013.01); **B01D 2239/0618** (2013.01); **B01D 2239/064** (2013.01); **B01D 2239/0663** (2013.01); **B01D 2239/083** (2013.01); **B01D 2239/1216** (2013.01); **B01D 2239/1233** (2013.01)

Citation (search report)

See references of WO 0137970A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 0137970 A1 20010531; AU 1924501 A 20010604; CA 2391015 A1 20010531; CA 2391015 C 20090929; EP 1239937 A1 20020918; JP 2003517371 A 20030527; JP 4918204 B2 20120418

DOCDB simple family (application)

US 0031948 W 20001122; AU 1924501 A 20001122; CA 2391015 A 20001122; EP 00982181 A 20001122; JP 2001539576 A 20001122