

Title (en)
EXHAUST GAS PURIFYING DEVICE

Title (de)
ABGASREINIGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE PURIFICATION DE GAZ D'ECHAPPEMENT

Publication
EP 1503069 A1 20050202 (EN)

Application
EP 03725610 A 20030418

Priority
• JP 0304995 W 20030418
• JP 2002306187 A 20021021
• KR 20020021748 A 20020420

Abstract (en)
In a path of a fuel pipe 18 from a fuel tank 16 to an internal combustion engine 14, a tube body 24 packed with a catalyst material 10 made of a mixture of nylon and ceramics that generate minus ions is connected to impart negative electric charges to liquid fuel 12 such as petroleum that is supplied. Thereby, in a path of a fuel pipe from a fuel tank to an internal combustion engine, a catalyst that applies pre-combustion treatment to liquid fuel is interposed and thereby harmful matters in exhaust gas from the internal combustion engine is reduced. <IMAGE>

IPC 1-7
F02M 21/04; **C10L 1/00**

IPC 8 full level
C10G 29/00 (2006.01); **C10L 1/00** (2006.01); **F02M 21/04** (2006.01); **F02M 27/02** (2006.01)

CPC (source: EP KR)
C10G 29/00 (2013.01 - EP); **C10L 1/00** (2013.01 - EP KR); **F02M 21/04** (2013.01 - KR); **F02M 27/02** (2013.01 - EP)

Cited by
US8092884B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1503069 A1 20050202; **EP 1503069 A4 20060607**; AU 2003231374 A1 20031103; CN 1646801 A 20050727;
JP WO2003089774 A1 20050825; KR 20050007317 A 20050117; WO 03089774 A1 20031030

DOCDB simple family (application)
EP 03725610 A 20030418; AU 2003231374 A 20030418; CN 03808410 A 20030418; JP 0304995 W 20030418; JP 2003586472 A 20030418;
KR 20047016779 A 20030418