

Title (en)

Filter device, in particular for filtering combustion air in combustion engines

Title (de)

Filtereinrichtung, insbesondere zur Filtration von Verbrennungsluft in Brennkraftmaschinen

Title (fr)

Dispositif de filtrage, en particulier destiné à la filtration d'air de combustion dans des moteurs à combustion interne

Publication

EP 1911960 A2 20080416 (DE)

Application

EP 07116806 A 20070920

Priority

DE 102006048076 A 20061009

Abstract (en)

A filter hose (6) is provided with a purifying filtration coating (11) on the diverting side (14) of the filter wall. made from polymeric or synthetic material nano-fibers. The diameter of nano-fibers is less than 1 micro meter or within the range between 50 and 500 nano meters. The thickness of the coating is small compared to the radial thickness of the filter hose wall. An independent claim is also included for a method for production of a filter mechanism.

Abstract (de)

Eine Filterschlauch (6) weist ein als Filterschlauch (6) ausgebildetes Filterelement auf, dessen Filterwandung mit einer Feinstfiltrationsbeschichtung aus Nanofasern versehen ist.

IPC 8 full level

F02M 35/024 (2006.01)

CPC (source: EP US)

F02M 35/024 (2013.01 - EP US); **F02M 35/04** (2013.01 - EP US)

Cited by

DE102013108826A1; DE102013108826B4; CN105120979A; EP3231497A1; EP3552683A1; WO2014173733A1; US9440172B2; EP2892629B1; EP2895251B1; EP2988846B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1911960 A2 20080416; **EP 1911960 A3 20101027**; **EP 1911960 B1 20120627**; DE 102006048076 A1 20080410; US 2008086992 A1 20080417

DOCDB simple family (application)

EP 07116806 A 20070920; DE 102006048076 A 20061009; US 86896907 A 20071009