

Search history

Search 1: FT=(filter* and engine* and exhaust* and gases* and outlet* and inlet* and ceramic* and wool* and defoam* and polyurethane* and mesh* and steel* and chamber*) (Results 0)

Search 2: 1.filter* and engine* and exhaust* and ceramic* and wool* and defoam* and polyurethane* and mesh* and steel* and chamber* (Results 0)

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Search 4: 3.filter* and exhaust* and ceramic* and wool* and defoam* and polyurethane* and mesh* (Results 1)

1) Family number: 42117370 (US2009044702A)

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Title: FILTER ELEMENT AND METHOD

Abstract: A filter element having multiple formed layers of filtration media is disclosed. The media are layered so as to form a pore size gradient. The filter element is capable of removing both solid and liquid particulates from a moving fluid stream. The filter element has high strength and compressibility. The layers can be supported on a porous or perforate support to provide mechanical stability during filtering operations. The filtration media layers can be formed into various filter element forms such as panels, cartridges, inserts, and the like.

Classifications:

International (IPC 8-9): B01D39/14 B01D39/16 B01D39/20 B01D50/00 B01D59/50 B32B5/26 D21H13/00 (Advanced/Invention); B01D39/14 B01D50/00 D21H13/00 (Core/Invention)

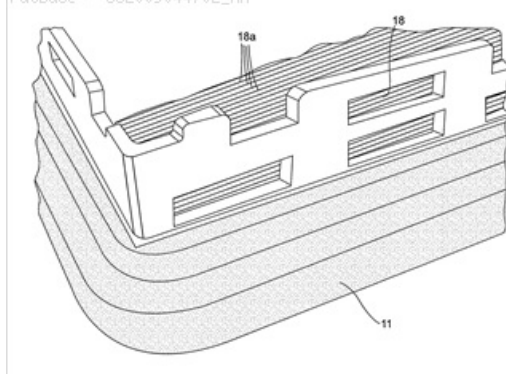
International (IPC 1-7): B01D50/00

CPC: Y10S55/05 B01D46/546 B01D39/163 B01D39/2024 B01D46/003 B01D46/10 B01D2239/0216 B01D2239/0258 B01D2239/064 B01D2239/0681 B01D2275/10 F02M35/024

European: B01D39/16B4B B01D39/20B4D B01D46/00F20 B01D46/10 B01D46/54N F02M35/024 L01D239/02D L01D239/02K L01D239/06B41 L01D239/06F50 L01D275/10

US: 162/141 162/141S 55/486 55/486S 55/488 55/497 55/521 55/527 55/DIG.5 95/287 95/287P 96/66 96/67 96/69

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Family:

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BRPI0807375 A2	20140520	BR2008PI07375	20080220
CN101652168 A	20100217	CN200880011372	20080220
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW