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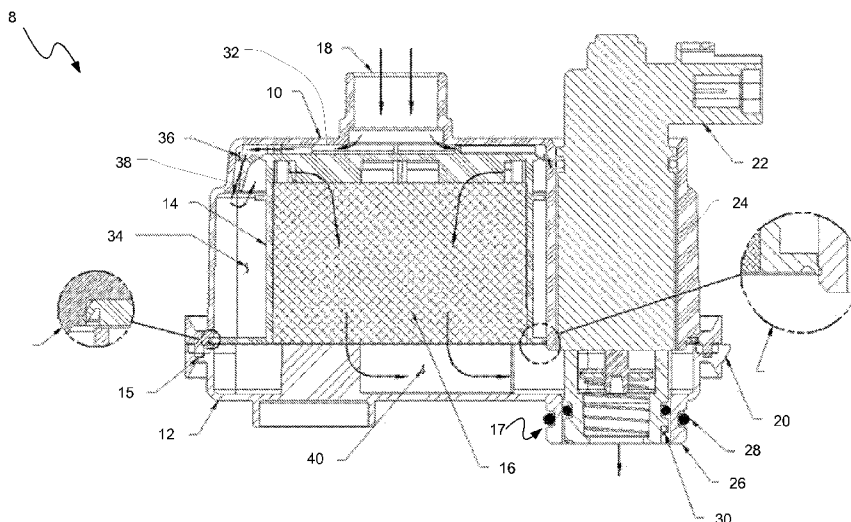
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(54) Title: FILTRATION DEVICE FOR USE WITH A FUEL VAPOR RECOVERY SYSTEM



(57) Abstract: A filtration device 8 for filtering air used with a fuel vapor recovery system 100 may comprise a housing comprising an upper end 10 having at least one air inlet 18 and a lower end 12 having at least one air outlet 26, a first passageway 32 in fluid communication with the air inlet 18 and configured to increase the velocity of the air through the first passageway 32 compared to the air inlet 18, a collection cavity 34 in fluid communication the first passageway 32 and configured to reduce the velocity and abruptly change the direction of the air through the collection cavity 34 compared to the first passageway 32, a filter cavity 14 in fluid communication with the collection cavity 34 comprising a filtering media 16, and a clean air cavity 40 in fluid communication with the filter cavity 14 and the air outlet 26 of the housing.

WO 2007/087102 A3

INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - F02M 33/02 (2007.01)

USPC - 123/519

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8): F02M 33/02 (2007.01)

USPC: 123/519

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 96/135, 139, 141, 144, 152; 55/385.3, 418, 424, 426, 459.1

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST(PGPB,USPT,EPAB,JPAB); Google; Google Patents

Search Terms Used: filter\$, Filtration, inlet, air, flexible, flap, evaporative, emission\$, vapor, canister, dust box, open cell, closed cell, foam

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,599,350 B1 (ROCKWELL et al.) 29 July 2003 (29.07.2003); Figs. 1, 5, 9; claim 2; col 1, ln 58-60; col 4, ln 7-65	1-20
Y	US 5,912,368 A (SATARINO et al.) 15 June 1999 (15.06.1999); Fig. 3; col 2, ln 38-56	1-20
Y	US 2002/0073668 A1 (TOKAR et al.) 20 June 2002 (20.06.2002); para[0073]	10, 12, 19
Y	US 2005/0160707 A1 (DRIES) 28 July 2005 (28.07.2005); para[0005]	11

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