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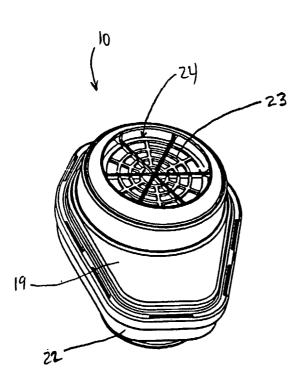
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(54) Title: COMBINATION FILTER/CARTRIDGE ASSEMBLY



(57) Abstract: A filter cartridge assembly including a replendam that combines a particulate filter with an irregular shaped gas sorbent bed. Best operational practice requires that the air passing through the filter be distributed uniformly over the sorbent bed. The replendam directs the air over the surface of the larger sorbent bed utilizing vanelike structures extending from the reticulated member providing for uniform distribution.

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WO 02/038249 A3

WO 02/038249 A3



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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B01D53/04 B01E B01D46/52 A62B23/02 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) B01D A62B CO2F Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category ° 22-25 US 4 850 346 A (MICHEL JOHN M ET AL) χ 25 July 1989 (1989-07-25) figures 4.6A WO 98 05401 A (BRITA WATER FILTER SYST LTD 22-25 X :ROBINSON THOMAS (GB)) 12 February 1998 (1998-02-12) figures 2,4,7 Α EP 0 815 918 A (KNECHT FILTERWERKE GMBH) 7 January 1998 (1998-01-07) figures US 4 714 486 A (SILVERTHORN GIDEON C) Α 22 December 1987 (1987-12-22) cited in the application the whole document Patent family members are listed in annex. Further documents are listed in the continuation of box C. X Special categories of cited documents : "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means in the art document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 17/06/2003 6 June 2003 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Gruber, M Fax: (+31-70) 340-3016

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