



(51) International Patent Classification:  
*F24C 15/20* (2006.01)

(21) International Application Number:  
PCT/US2009/057994

(22) International Filing Date:  
23 September 2009 (23.09.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
61/099,699 24 September 2008 (24.09.2008) US  
12/430,650 27 April 2009 (27.04.2009) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

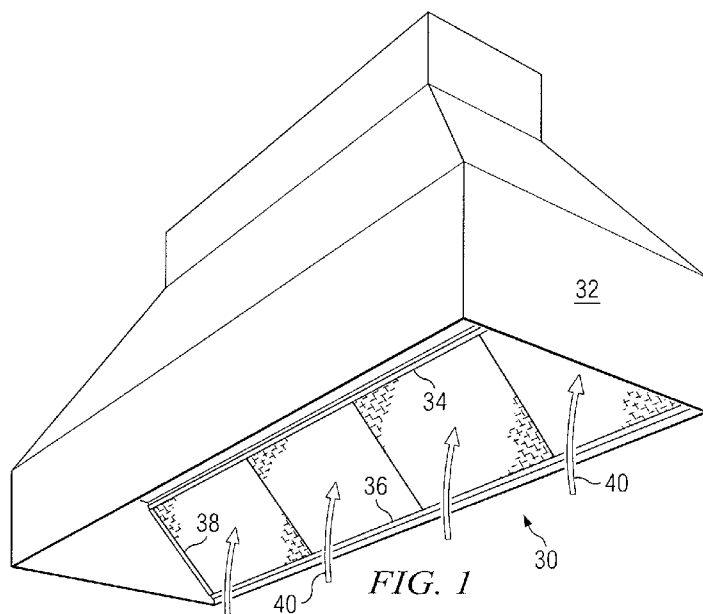
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

[Continued on next page]

(54) Title: GREASE COLLECTING FILTER ASSEMBLY AND METHOD OF FABRICATION THEREOF



(57) Abstract: A filter assembly includes a filter pad comprising fibers including natural, synthetic and/or hybrid fibers. A stabilizer frame formed of a non-metallic material may be imbedded in the filter pad. The stabilizer frame may be configured to provide support to the filter pad to maintain the filter pad in a generally flat configuration. In accordance with a particular embodiment, the filter pad may be comprised of at least first and second fibrous mats that are coupled together. In this embodiment, the stabilizer frame may be disposed between and coupled with the first and second fibrous mats.



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**(88) Date of publication of the international search report:**  
26 August 2010

## INTERNATIONAL SEARCH REPORT

International application No

PCT/US2009/057994

**A. CLASSIFICATION OF SUBJECT MATTER**  
 INV. F24C15/20

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)  
 F24C

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**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 388 536 A (NASH LAWRENCE M) 18 June 1968 (1968-06-18)	1-2, 12-13
Y	column 2, line 27; claim 1; figures 1,2	3-11, 14-18
Y	----- US 4 689 058 A (VOGT CLIFFORD M [US] ET AL) 25 August 1987 (1987-08-25) column 3, lines 22-27	3,14
Y	----- WO 98/45021 A1 (MORE RONALD [NZ]) 15 October 1998 (1998-10-15) claim 8	4,15
Y	----- US 2008/022645 A1 (SKIRIUS STEPHEN A [US] ET AL) 31 January 2008 (2008-01-31) sentence 8, paragraph 64; claim 17	5-6, 16-17
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Further documents are listed in the continuation of Box C.



See patent family annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*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)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*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 invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to 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 documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

8 February 2010

Date of mailing of the international search report

14/07/2010

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## INTERNATIONAL SEARCH REPORT

International application No

PCT/US2009/057994

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2 664 172 A (BUTTERFIELD CHARLES E) 29 December 1953 (1953-12-29) column 2, line 40 -----	7,11,18
Y	GB 818 943 A (CHICOPEE MFG CORP) 26 August 1959 (1959-08-26) page 2, line 106 page 2, lines 80-84 page 2, lines 96-99 -----	8,11
Y	US 4 517 308 A (EHLLENZ PETER [DE] ET AL) 14 May 1985 (1985-05-14) column 5, lines 52-53 -----	9
Y	GB 2 290 727 A (BLUECHER HASSO VON [DE]; RUITER ERNEST DE [DE]) 10 January 1996 (1996-01-10) claim 3 -----	10

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2009/057994

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-18

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-18

Filter assembly, composed of filter pads made of natural or synthetic fibers & a stabilizer frame.  
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2. claims: 19-22

Method of manufacturing a non-woven blanket  
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2009/057994

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3388536	A	18-06-1968	NONE
US 4689058	A	25-08-1987	NONE
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