

Form U.S. Patent and Trademark Office-1595
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HEET

06-25-2003

To the Director of the United States
Please record the attached original

102481379

6.24.03

1. Name of conveying party(ies):

Z. Gerald Liu
Matthew P. Henrichsen
William C. Haberkamp
Elaine M. Yorkgitis, Ph.D.
Robert K. Miller
Thomas E. Wood
Zhongshu Tan
Barry M. Verdegan

Address of receiving party(ies):

FLEETGUARD, INC.
2931 Elm Hill Pike
Nashville, TN 372143M Innovative Properties Company
3M Center
P.O. Box 33427
St. Paul, MN 55133-3427

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

Additional name(s) and address(es) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

- ☒
- Assignment
- ☐
- Merger
-
- ☐
- Security Agreement
- ☐
- Change of Name
-
- ☐
- Other _____

Execution Dates: 01/20/03; 01/13/03; 01/21/03;
02/25/03; 01/16/03; 01/27/03; 02/21/03; 01/13/03

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is _____

A. Patent Application No(s).

10/325,001

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:Michael E. Taken
ANDRUS, SCEALES, STARKE & SAWALL, LLP
100 East Wisconsin Avenue, Suite 1100
Milwaukee, WI 532026. Total number of applications and
patents involved: 1

7. Total fee (37 CFR 3.41)...\$40.00

- ☒
- Enclosed
-
- ☒
- Authorized to charge Deposit
-
- Account

8. Deposit Account No. 01.2000
(Attach duplicate copy of this page
if paying by Deposit Account)

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached
copy is a true copy of the original document.Jo Ann Kuczynski
Name of Person Signing

Signature

June 19, 2003
Date

Total number of pages including cover sheet, attachments and document: 10

OMB No. 0651-0011 (exp. 4/94)

06/24/2003 6TON11 00000092 10325001

01 FC:0021

40.00 DP

PATENT
REEL: 014193 FRAME: 0291

ASSIGNMENT

I, identified below as "**Inventor**," have made certain new and useful improvements in an invention ("**Invention**"), as set forth in an application for United States Letters Patent executed or about to be executed by me or otherwise in which I am an inventor and bearing the following title and Attorney Docket No. and for which the Attorney of record is hereby authorized to insert the serial number and filing date when ascribed:

Title: **HIGH TEMPERATURE NANOFILTER, SYSTEM AND METHOD**

Application Number: 10/325,001 Filing Date: 12/20/2002 Atty. Docket No. 4695-00070

For good and valuable consideration, I do hereby sell, assign, and transfer to Fleetguard, Inc., and to 3M Innovative Properties Company, as joint owners ("**Assignees**"), their legal representatives, successors, and assigns, my entire right, title, and interest in and to the Invention and to all United States and foreign patent applications thereon, together with all patents resulting from such applications, including any continuations, divisions, reissues, and re-examinations thereof. Assignees shall hold such right, title, and interest as fully and completely as they would have been held by me had this assignment and sale not been made. Fleetguard, Inc. is a corporation organized under the laws of the State of Indiana, and located and doing business at 2931 Elm Hill Pike, Nashville, Tennessee 37214. 3M Innovative Properties Company is a corporation organized under the laws of state of Delaware, and located and doing business at 3M Center, P.O. Box 33427, St. Paul, MN 55133-3427.

I agree, upon Assignees' request, to execute or assent to such United States and foreign patent applications and to execute all separate assignments and other legal documents that Assignees may find necessary or desirable in their exercise of the right, title, and interest assigned above. I also agree to communicate to Assignees any facts relating to the Invention or to any of the patent applications or patents contemplated above that may be useful to Assignees and to testify as to such facts in any interferences or in litigation, if requested to do so. I shall do all these things without additional compensation but at no expense to me.

I hereby request the Commissioner of Patents to issue to Assignees, as the joint owners of my entire right, title, and interest therein, any Letters Patent of the United States that may be issued for the Invention.

Inventor: Z. Gerald Liu Date: Jan. 20, 2003
(Signature)

Name typed or printed: Z. Gerald Liu
Address: 917 Tramore Trail
Madison, WI 53717

State of WISCONSIN)
) ss
County of DANE)

On this 20th day of January, 2003, before me personally appeared said Z. Gerald Liu, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Shayne D. Fischer
Notary Public
My Commission expires: 8/28/2005

Title: **HIGH TEMPERATURE NANOFILTER, SYSTEM AND METHOD**

Application Number: 10/325,001 Filing Date: 12/20/2002 Atty. Docket No. 4695-00070

Inventor: Matthew Henrichsen Date: 1/13/03
(Signature)

Name typed or printed: Matthew P. Henrichsen
Address: 126 N. 6th Street
Evansville, WI 53536

State of WISCONSIN)
) ss
County of DANE)

On this 13th day of JANUARY, 2003, before me personally appeared said Matthew P. Henrichsen, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Spayne D. Fischer
Notary Public
My Commission expires: 8/28/2005

Inventor: _____ Date: _____
(Signature)

Name typed or printed: William C. Haberkamp
Address: 511 North Dixie Avenue
Cookeville, TN 38501-2631

State of _____)
) ss
County of _____)

On this _____ day of _____, 2003, before me personally appeared said William C. Haberkamp, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public
My Commission expires: _____

Title: **HIGH TEMPERATURE NANOFILTER, SYSTEM AND METHOD**

Application Number: 10/325,001 Filing Date: 12/20/2002 Atty. Docket No. 4695-00070

Inventor:

Date: -

(Signature)

Name typed or printed: Matthew P. Henrichsen

Address: 126 N. 6th Street
Evansville, WI 53536

State of)
) ss
County of)

On this day of , 2003, before me personally appeared said Matthew P. Henrichsen, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public
My Commission expires: -

Inventor: William C. Haberkamp
(Signature)

Date: 21 January 2003 -

Name typed or printed: William C. Haberkamp
Address: 511 North Dixie Avenue
Cookeville, TN 38501-2631

State of Tennessee)
) ss
County of Putnam)

On this 21st day of January, 2003, before me personally appeared said William C. Haberkamp, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

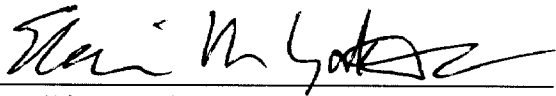
SEAL

Notary Public

Jane Ann Bright
Jane Ann Bright

Title: **HIGH TEMPERATURE NANOFILTER, SYSTEM AND METHOD**

Application Number: 10/325,001 Filing Date: 12/20/2002 Atty. Docket No. 4695-00070

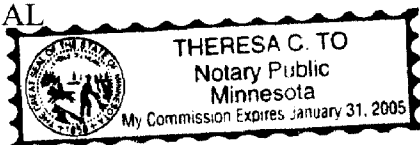
Inventor:  Date: 25 Feb 2003
(Signature)

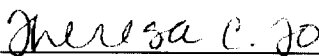
Name typed or printed: Elaine M. Yorkgitis, Ph.D.
Address: 1866 Summit Avenue
St. Paul, MN 55105

State of Minnesota)
) ss
County of Ramsey)

On this 25th day of February, 2003, before me personally appeared said Elaine M. Yorkgitis, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL




Notary Public
My Commission expires: 1-30-2005

Inventor: _____ Date: _____
(Signature)

Name typed or printed: Robert K. Miller
Address: 7817 Oakgrove Court
Indianapolis, IN 46259

State of _____)
) ss
County of _____)

On this _____ day of _____, 2003, before me personally appeared said Robert K. Miller, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public
My Commission expires: _____

Title: **HIGH TEMPERATURE NANOFILTER, SYSTEM AND METHOD**

Application Number: 10/325,001 Filing Date: 12/20/2002 Atty. Docket No. 4695-00070

Inventor: _____ Date: _____
(Signature)

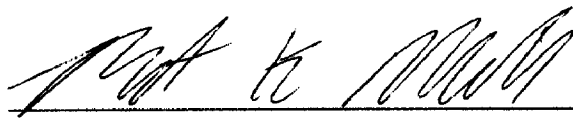
Name typed or printed: Elaine M. Yorkgitis, Ph.D.
Address: 1866 Summit Avenue
St. Paul, MN 55105

State of _____)
_____) ss
County of _____)

On this _____ day of _____, 2003, before me personally appeared said Elaine M. Yorkgitis, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public
My Commission expires: _____

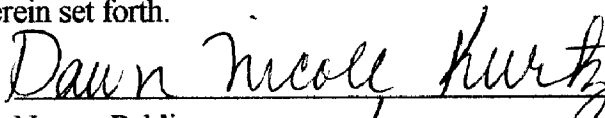
Inventor:  Date: 1/16/03
(Signature)

Name typed or printed: Robert K. Miller
Address: 7817 Oakgrove Court
Indianapolis, IN 46259

State of Indiana)
_____) ss
County of Marion)

On this 16 day of January, 2003, before me personally appeared said Robert K. Miller, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL


Notary Public
My Commission expires: Aug 17, 2009

Title: **HIGH TEMPERATURE NANOFILTER, SYSTEM AND METHOD**

Application Number: 10/325,001 Filing Date: 12/20/2002 Atty. Docket No. 4695-00070

Inventor:

Thomas E. Wood

(Signature)

Date:

1/27/03

Name typed or printed:

Thomas E. Wood

Address:

11019 Ironwood Avenue North

Stillwater, MN 55082

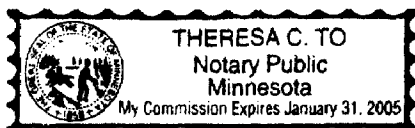
State of Minnesota)

) ss

County of Ramsey)

On this 27th day of January, 2003, before me personally appeared said Thomas E. Wood, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL



Theresa C. To

Notary Public

My Commission expires: 1-31-05

Inventor:

Zhongshu Tan

(Signature)

Date:

2/21/03

Name typed or printed:

Zhongshu Tan

Address:

849 Windrow Drive

St. Paul, MN 55144

State of Minnesota)

) ss

County of Ramsey)

On this 21st day of February, 2003, before me personally appeared said Zhongshu Tan, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL



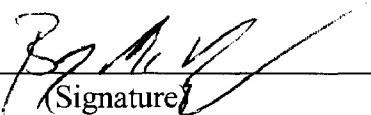
Theresa C. To

Notary Public

My Commission expires: 1-31-2005

Title: **HIGH TEMPERATURE NANOFILTER, SYSTEM AND METHOD**

Application Number: 10/325,001 Filing Date: 12/20/2002 Atty. Docket No. 4695-00070

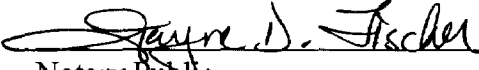
Inventor:  Date: 1/13/2003
(Signature)

Name typed or printed: Barry M. Verdegan
Address: 606 Christiansen Way
Stoughton, WI 53589

State of WISCONSIN)
) ss
County of DANE)

On this 13th day of JANUARY, 2003, before me personally appeared said Barry M. Verdegan, known to me to be the person who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL


Notary Public
My Commission expires: 8/28/2005