

08-06-1999



01496 USA

FORM PTO-1595
(Rev. 6-93)

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

101111316
RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings ▾ ▾ ▾ ▾ ▾ ▾ ▾ ▾ ▾ ▾

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): (a) Ruixin Fan,
(b) George R. Trepina, (c) Timothy B. Kowal,
(d) Gennaro R. Martire, (e) Kenneth E. Bloom,
and (f) William E. ChalupskyAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Owens-Illinois Closure Inc.

Internal Address: _____

Street Address: One SeaGate

City: Toledo State: Ohio ZIP: 43666

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: (a) (d) (e) 6/30/99, (b) 7/2/99,
(c) 7/28/99, and (f) 7/19/99

4. Application number(s) or patent number(s): 29/108,572

If this document is being filed together with a new application, the execution date of the application is: See below:

A. Patent Application No.(s)

B. Patent No.(s)

(a) (d) (e) 6/30/99

(b) 7/2/99

(c) 7/28/99

(f) 7/19/99

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: H. G. Bruss

Internal Address: Owens-Illinois

Street Address: One SeaGate, 25-LDP

City: Toledo State: Ohio ZIP: 43666

6. Total number of applications and patents involved: 1

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

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

15-0875

(Attach duplicate copy of this page if paying by deposit account)

08/05/1999 DMGUYEN 00000130 150875 29108572

DO NOT USE THIS SPACE

08 FC:581 40.00 CH

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.

H. G. Bruss

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 7

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231PATENT
REEL: 010140 FRAME: 0690

ASSIGNMENT

WHEREAS, I, RUIXIN FAN

of

13499 Roachton Road, Apt. 4, Perrysburg, Ohio 43551

U. S. A.,

together with George R. Trepina, Timothy B. Kowal, Gennaro R. Martire, Kenneth S. Bloom, and William E. Chalupsky have jointly invented an improvement in

TRIGGER SPRAYER

; and

WHEREAS, I, as a joint applicant with said Messrs. Trepina, Kowal, Martire, Bloom, and Chalupsky have executed an Application for United States Patent based thereon, on the

30th day of JUNE, 1999; and

WHEREAS, OWENS-ILLINOIS CLOSURE INC., a Delaware corporation, is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for One Dollar (\$1.00) and other valuable considerations, receipt of all of which is hereby acknowledged, I have agreed to and do hereby sell, assign, and transfer unto said corporation my entire right, title, and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to said invention, said application and any and all patents (including extensions thereof) of any country, which have been or may be granted on said invention or any part thereof, or on said application or any divisional, continuing, renewal, reissue, or other patent application, based in whole or in part thereon, or based upon said invention.

TO BE HELD AND ENJOYED by said corporation, its successors and assigns, to the full ends of the respective terms for which said patents or any of them have been or may be granted, as fully and entirely as the same would have been held and enjoyed by me had no sale and assignment of said interest been made;

AND I hereby covenant and agree for myself, my heirs, and my legal representatives to assist my said assignee in the prosecution of said application and in any interference which may arise involving said invention, and, upon request, to execute without further consideration all necessary and desirable divisional, continuing, renewal, reissue, or other applications for patents in any country, that might be deemed necessary by said assignee fully to secure to said assignee its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them. Further I hereby authorize the above-mentioned assignee to insert in this instrument the identifying serial number and filing date of my said application when received.

AND I do hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this

30th day of JUNE, 1999.

Ruixin Fan

STATE OF OHIO, COUNTY OF WOOD ss:

On this 30 day of JUNE, 1999, before me, a Notary Public, personally appeared the above named Ruixin Fan, personally known to me and known by me to be the one who executed the foregoing instrument and subscribed the same in my presence, and acknowledged the same to be his free act and deed.

My Commission Expires:

Nov. 29, 1999

Joyce M. Murphy

Joyce M. Murphy

U. S. Serial No. _____ Filing Date _____

ASSIGNMENT

WHEREAS, I, GEORGE R. TREPINA

of

346 Cove Harbour Drive East, Holland, Ohio 43528

U. S. A.,

together with Ruixin Fan, Timothy B. Kowal, Gennaro R. Martire, Kenneth S. Bloom, and William E. Chalupsky have jointly invented an improvement in

TRIGGER SPRAYER

; and

WHEREAS, I, as a joint applicant with said Messrs. Fan, Kowal, Martire, Bloom, and Chalupsky have executed an Application for United States Patent based thereon, on the

2nd day of July, 1999; and

WHEREAS, OWENS-ILLINOIS CLOSURE INC., a Delaware corporation, is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for One Dollar (\$1.00) and other valuable considerations, receipt of all of which is hereby acknowledged, I have agreed to and do hereby sell, assign, and transfer unto said corporation my entire right, title, and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to said invention, said application and any and all patents (including extensions thereof) of any country, which have been or may be granted on said invention or any part thereof, or on said application or any divisional, continuing, renewal, reissue, or other patent application, based in whole or in part thereon, or based upon said invention.

TO BE HELD AND ENJOYED by said corporation, its successors and assigns, to the full ends of the respective terms for which said patents or any of them have been or may be granted, as fully and entirely as the same would have been held and enjoyed by me had no sale and assignment of said interest been made;

AND I hereby covenant and agree for myself, my heirs, and my legal representatives to assist my said assignee in the prosecution of said application and in any interference which may arise involving said invention, and, upon request, to execute without further consideration all necessary and desirable divisional, continuing, renewal, reissue, or other applications for patents in any country, that might be deemed necessary by said assignee fully to secure to said assignee its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them. Further I hereby authorize the above-mentioned assignee to insert in this instrument the identifying serial number and filing date of my said application when received.

AND I do hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this

2nd day of July, 1999.

STATE OF OHIO, COUNTY OF WOOD ss:

On this 2 day of JULY, 1999, before me, a Notary Public, personally appeared the above named George R. Trepina, personally known to me and known by me to be the one who executed the foregoing instrument and subscribed the same in my presence, and acknowledged the same to be his free act and deed.

My Commission Expires:

Nov. 29, 1999

Joyce M. Murphy
Joyce M. Murphy

U. S. Serial No. _____ Filing Date _____

ASSIGNMENT

WHEREAS, I, TIMOTHY B. KOWAL, of
7053 Country Creek Drive, Maumee, Ohio 43537 U. S. A.,
together with Ruixin Fan, George R. Trepina, Gennaro R. Martire,
Kenneth S. Bloom, and William E. Chalupsky
have jointly invented an improvement in

TRIGGER SPRAYER ; and

WHEREAS, I, as a joint applicant with said Messrs. Fan, Trepina,
Martire, Bloom, and Chalupsky
have executed an Application for United States Patent based thereon, on the

28th day of JULY, 1999; and

WHEREAS, OWENS-ILLINOIS CLOSURE INC., a Delaware corporation, is
desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for One Dollar (\$1.00) and other valuable considerations,
receipt of all of which is hereby acknowledged, I have agreed to and do hereby
sell, assign, and transfer unto said corporation my entire right, title, and
interest in and throughout the United States of America (including its terri-
tories and dependencies) and all countries foreign thereto, in and to said
invention, said application and any and all patents (including extensions
thereof) of any country, which have been or may be granted on said invention
or any part thereof, or on said application or any divisional, continuing,
renewal, reissue, or other patent application, based in whole or in part thereon,
or based upon said invention.

TO BE HELD AND ENJOYED by said corporation, its successors and assigns, to
the full ends of the respective terms for which said patents or any of them
have been or may be granted, as fully and entirely as the same would have been
held and enjoyed by me had no sale and assignment of said interest been made;

AND I hereby covenant and agree for myself, my heirs, and my legal repre-
sentatives to assist my said assignee in the prosecution of said application
and in any interference which may arise involving said invention, and, upon
request, to execute without further consideration all necessary and desirable
divisional, continuing, renewal, reissue, or other applications for patents
in any country, that might be deemed necessary by said assignee fully to secure
to said assignee its interest as aforesaid in and to said invention or any part
thereof, and in and to said several patents or any of them. Further I hereby
authorize the above-mentioned assignee to insert in this instrument the identi-
fying serial number and filing date of my said application when received.

AND I do hereby authorize and request the Commissioner of Patents of the
United States of America to issue any and all United States patents which may
be granted upon said United States applications or any of them, or upon said
invention or any part thereof, to said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this

28th day of JULY, 1999.

STATE OF OHIO, COUNTY OF WOOD ss:

Timothy B. Kowal
Timothy B. Kowal

On this 28 day of JULY, 1999, before me, a Notary Public,
personally appeared the above named Timothy B. Kowal, personally known
to me and known by me to be the one who executed the foregoing instrument and
subscribed the same in my presence, and acknowledged the same to be his free
act and deed.

My Commission Expires:

Nov. 29, 1999

Joyce M. Murphy
Joyce M. Murphy

U. S. Serial No. _____ Filing Date _____

ASSIGNMENT

WHEREAS, I, GENNARO R. MARTIRE
~~205 TURNBURY LANE, PERRYSBURG, OHIO - 43551~~ *ARM*
~~1127 Pine Valley Lane 104, Toledo, Ohio 43615~~

6/30/99

of
 U. S. A.,

together with Ruixin Fan, George R. Trepina, Timothy B. Kowal,
 Kenneth S. Bloom, and William E. Chalupsky
 have jointly invented an improvement in

TRIGGER SPRAYER

; and

WHEREAS, I, as a joint applicant with said Messrs. Fan, Trepina, Kowal,
 Bloom, and Chalupsky
 have executed an Application for United States Patent based thereon, on the

30th. day of JUNE, 1999; and

WHEREAS, OWENS-ILLINOIS CLOSURE INC., a Delaware corporation, is
 desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for One Dollar (\$1.00) and other valuable considerations,
 receipt of all of which is hereby acknowledged, I have agreed to and do hereby
 sell, assign, and transfer unto said corporation my entire right, title, and
 interest in and throughout the United States of America (including its terri-
 tories and dependencies) and all countries foreign thereto, in and to said
 invention, said application and any and all patents (including extensions
 thereof) of any country, which have been or may be granted on said invention
 or any part thereof, or on said application or any divisional, continuing,
 renewal, reissue, or other patent application, based in whole or in part thereon,
 or based upon said invention.

TO BE HELD AND ENJOYED by said corporation, its successors and assigns, to
 the full ends of the respective terms for which said patents or any of them
 have been or may be granted, as fully and entirely as the same would have been
 held and enjoyed by me had no sale and assignment of said interest been made;

AND I hereby covenant and agree for myself, my heirs, and my legal repre-
 sentatives to assist my said assignee in the prosecution of said application
 and in any interference which may arise involving said invention, and, upon
 request, to execute without further consideration all necessary and desirable
 divisional, continuing, renewal, reissue, or other applications for patents
 in any country, that might be deemed necessary by said assignee fully to secure
 to said assignee its interest as aforesaid in and to said invention or any part
 thereof, and in and to said several patents or any of them. Further I hereby
 authorize the above-mentioned assignee to insert in this instrument the identi-
 fying serial number and filing date of my said application when received.

AND I do hereby authorize and request the Commissioner of Patents of the
 United States of America to issue any and all United States patents which may
 be granted upon said United States applications or any of them, or upon said
 invention or any part thereof, to said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this

30th. day of JUNE, 1999

Gennaro R. Martire

STATE OF OHIO, COUNTY OF WOOD ss:

On this 30 day of JUNE, 1999, before me, a Notary Public,
 personally appeared the above named Gennaro R. Martire, personally known
 to me and known by me to be the one who executed the foregoing instrument and
 subscribed the same in my presence, and acknowledged the same to be his free
 act and deed.

My Commission Expires:

Nov. 29, 1999

Joyce M. Murphy
 Joyce M. Murphy

U. S. Serial No. _____ Filing Date _____

ASSIGNMENT

WHEREAS, I, KENNETH S. BLOOM

of

210 N. Bronson Street, Jerry City, Ohio 43437-0003

U. S. A.,

together with Ruixin Fan, George R. Trepina, Timothy B. Kowal,
Gennaro R. Martire, and William E. Chalupsky
have jointly invented an improvement in

TRIGGER SPRAYER

; and

WHEREAS, I, as a joint applicant with said Messrs. Fan, Trepina, Kowal,
Martire, and Chalupsky
have executed an Application for United States Patent based thereon, on the

30th day of June, 1999; and

WHEREAS, OWENS-ILLINOIS CLOSURE INC., a Delaware corporation, is
desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for One Dollar (\$1.00) and other valuable considerations,
receipt of all of which is hereby acknowledged, I have agreed to and do hereby
sell, assign, and transfer unto said corporation my entire right, title, and
interest in and throughout the United States of America (including its terri-
tories and dependencies) and all countries foreign thereto, in and to said
invention, said application and any and all patents (including extensions
thereof) of any country, which have been or may be granted on said invention
or any part thereof, or on said application or any divisional, continuing,
renewal, reissue, or other patent application, based in whole or in part thereon,
or based upon said invention.

TO BE HELD AND ENJOYED by said corporation, its successors and assigns, to
the full ends of the respective terms for which said patents or any of them
have been or may be granted, as fully and entirely as the same would have been
held and enjoyed by me had no sale and assignment of said interest been made;

AND I hereby covenant and agree for myself, my heirs, and my legal repre-
sentatives to assist my said assignee in the prosecution of said application
and in any interference which may arise involving said invention, and, upon
request, to execute without further consideration all necessary and desirable
divisional, continuing, renewal, reissue, or other applications for patents
in any country, that might be deemed necessary by said assignee fully to secure
to said assignee its interest as aforesaid in and to said invention or any part
thereof, and in and to said several patents or any of them. Further I hereby
authorize the above-mentioned assignee to insert in this instrument the identi-
fying serial number and filing date of my said application when received.

AND I do hereby authorize and request the Commissioner of Patents of the
United States of America to issue any and all United States patents which may
be granted upon said United States applications or any of them, or upon said
invention or any part thereof, to said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this

30th day of June, 1999.

Kenneth S. Bloom
Kenneth S. Bloom

STATE OF OHIO, COUNTY OF WOOD ss:

On this 30 day of JUNE, 1999, before me, a Notary Public,
personally appeared the above named Kenneth S. Bloom, personally known
to me and known by me to be the one who executed the foregoing instrument and
subscribed the same in my presence, and acknowledged the same to be his free
act and deed.

My Commission Expires:

Nov. 29, 1999

Joyce M. Murphy
Joyce M. Murphy

U. S. Serial No. _____ Filing Date _____

ASSIGNMENT

WHEREAS, I, WILLIAM E. CHALUPSKY of
7196 Stratford Road, Woodbury, Minnesota 55125 U. S. A.,
together with Ruixin Fan, George R. Trepina, Timothy B. Kowal,
Gennaro R. Martire and Kenneth S. Bloom
have jointly invented an improvement in

TRIGGER SPRAYER ; and

WHEREAS, I, as a joint applicant with said Messrs. Fan, Trepina, Kowal,
Martire, and Bloom
have executed an Application for United States Patent based thereon, on the

19 day of July, 1999; and

WHEREAS, OWENS-ILLINOIS CLOSURE INC., a Delaware corporation, is
desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for One Dollar (\$1.00) and other valuable considerations,
receipt of all of which is hereby acknowledged, I have agreed to and do hereby
sell, assign, and transfer unto said corporation my entire right, title, and
interest in and throughout the United States of America (including its terri-
tories and dependencies) and all countries foreign thereto, in and to said
invention, said application and any and all patents (including extensions
thereof) of any country, which have been or may be granted on said invention
or any part thereof, or on said application or any divisional, continuing,
renewal, reissue, or other patent application, based in whole or in part thereon,
or based upon said invention.

TO BE HELD AND ENJOYED by said corporation, its successors and assigns, to
the full ends of the respective terms for which said patents or any of them
have been or may be granted, as fully and entirely as the same would have been
held and enjoyed by me had no sale and assignment of said interest been made;

AND I hereby covenant and agree for myself, my heirs, and my legal repre-
sentatives to assist my said assignee in the prosecution of said application
and in any interference which may arise involving said invention, and, upon
request, to execute without further consideration all necessary and desirable
divisional, continuing, renewal, reissue, or other applications for patents
in any country, that might be deemed necessary by said assignee fully to secure
to said assignee its interest as aforesaid in and to said invention or any part
thereof, and in and to said several patents or any of them. Further I hereby
authorize the above-mentioned assignee to insert in this instrument the identi-
fying serial number and filing date of my said application when received.

AND I do hereby authorize and request the Commissioner of Patents of the
United States of America to issue any and all United States patents which may
be granted upon said United States applications or any of them, or upon said
invention or any part thereof, to said corporation.

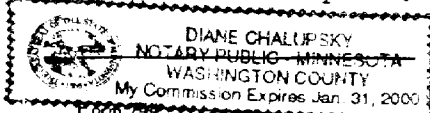
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this

19 day of July, 1999.

STATE OF Minnesota, COUNTY OF Washington ss:
William E. Chalupsky

On this 19th day of July, 1999, before me, a Notary Public,
personally appeared the above named William E. Chalupsky, personally known
to me and known by me to be the one who executed the foregoing instrument and
subscribed the same in my presence, and acknowledged the same to be his free
act and deed.

My Commission Expires:



U. S. Serial No. _____ Filing Date _____

Diane Chalupsky
Diane Chalupsky