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Form PTO-1595
(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

102516726

To the Honorable Commissioner

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

(a) John W. Juvinal (b) Brian A. Langenderfer
(c) James A. Ringlien (d) Timothy J. Nicks
(e) William H. AndersonAdditional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of conveyance:

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

07/02/03 (a) (c) (e)

07/01/03 (b)

Execution Date: 07/10/03 (d)

2. Name and address of receiving party(ies)

Name: Owens-Brockway Glass Container Inc.

Internal Address: _____

Street Address: One SeaGate

City: Toledo State: OH Zip: 43666

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

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

If this document is being filed together with a new application, the execution date of the application is: below:A. Patent Application No.(s) 10/379,924
filed 03/05/2003B. Patent No.(s) 07/02/03 (a) (c) (e)
07/01/03 (b)
07/10/03 (d)Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Nirav D. Parikh

Internal Address: Owens-Illinois, Inc.

Street Address: One SeaGate, 25-LDP

City: Toledo State: OH Zip: 43666

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

15-0875

DO NOT USE THIS SPACE

9. Signature.

Nirav D. Parikh

Name of Person Signing

Signature

7/20/03

Date

Total number of pages including cover sheet, attachments, and documents: 6Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 2023108/05/2003 870M11 00000661 150675 10379924
01 FC:0021 40.00 BRPATENT
REEL: 014341 FRAME: 0787

ASSIGNMENT

WHEREAS, I, **John W. Juvinall**, of 9200 Head-O-Lake Road, Ottawa Lake, Michigan 49267, U.S.A., together with Brian A. Langenderfer, James A. Ringlien, Timothy J. Nicks, and William H. Anderson, have jointly invented an improvement in **Container Sealing Surface Inspection**; and

WHEREAS, I, as a joint applicant with said Brian A. Langenderfer, James A. Ringlien, Timothy J. Nicks, and William H. Anderson, have executed an Application for United States Patent based thereon, on the 2nd day of July, 2003; and

WHEREAS, **Owens-Brockway Glass Container Inc.**, a corporation of Delaware, is desirous of acquiring certain rights thereunder;

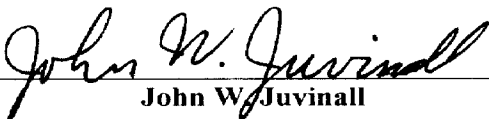
NOW, THEREFORE, for One Dollar (\$1.00) and other valuable considerations, receipt of all of which is hereby acknowledged, I have agreed to and do hereby sell, assign, and transfer unto said corporation my entire right, title, and interest in and throughout the United States of America (including its 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, 2003.


John W. Juvinall

STATE OF OHIO)
) ss:
COUNTY OF WOOD)

On this 2 day of July, 2003, before me, a Notary Public, personally appeared the above-named John W. Juvinall, 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.

SEAL


Notary Public
JOYCE M. MURPHY
Notary Public, State of Ohio
Commission Expires 11-29-04

U.S. Serial No. 10/379,924 Filing Date 03/05/2003

PATENT
REEL: 014341 FRAME: 0788

ASSIGNMENT

WHEREAS, I, **Brian A. Langenderfer**, of 7416 Country Meadow Court, Sylvania, Ohio 43560, U.S.A., together with John W. Juvinall, James A. Ringlien, Timothy J. Nicks, and William H. Anderson, have jointly invented an improvement in **Container Sealing Surface Inspection**; and

WHEREAS, I, as a joint applicant with said John W. Juvinall, James A. Ringlien, Timothy J. Nicks, and William H. Anderson, have executed an Application for United States Patent based thereon, on the 1 day of July, 2003; and

WHEREAS, **Owens-Brockway Glass Container Inc.**, a corporation of Delaware, 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 1 day of July, 2003.


Brian A. Langenderfer

STATE OF OHIO)
) ss:
COUNTY OF WOOD)

On this 1 day of July, 2003, before me, a Notary Public, personally appeared the above-named Brian A. Langenderfer, 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.

SEAL


Notary Public
JOYCE M. MURPHY
Notary Public, State of Ohio
Commission Expires 11-29-04

U.S. Serial No. 10/379,924 Filing Date 03/05/2003

PATENT
REEL: 014341 FRAME: 0789

ASSIGNMENT

WHEREAS, I, **James A. Ringlien**, of 2210 Glenview Drive, Maumee, Ohio 43537, U.S.A., together with John W. Juvinall, Brian A. Langenderfer, Timothy J. Nicks, and William H. Anderson, have jointly invented an improvement in **Container Sealing Surface Inspection**; and

WHEREAS, I, as a joint applicant with said John W. Juvinall, Brian A. Langenderfer, Timothy J. Nicks, and William H. Anderson, have executed an Application for United States Patent based thereon, on the 2nd day of July, 2003; and

WHEREAS, **Owens-Brockway Glass Container Inc.**, a corporation of Delaware, 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.

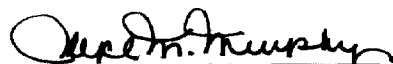
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal this 2nd day of July, 2003.


James A. Ringlien

STATE OF OHIO)
) ss:
COUNTY OF WOOD)

On this 2 day of July, 2003, before me, a Notary Public, personally appeared the above-named James A. Ringlien, 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.

SEAL


Notary Public
JOYCE M. MURPHY
Notary Public, State of Ohio
Commission Expires 11-29-04

U.S. Serial No. 10/379,924 Filing Date 03/05/2003

PATENT
REEL: 014341 FRAME: 0790

ASSIGNMENT

WHEREAS, I, **Timothy J. Nicks**, of 428 Kent Court, Maumee, Ohio 43537, U.S.A., together with John W. Juvinall, Brian A. Langenderfer, James A. Ringlien, and William H. Anderson, have jointly invented an improvement in **Container Sealing Surface Inspection**; and

WHEREAS, I, as a joint applicant with said John W. Juvinall, Brian A. Langenderfer, James A. Ringlien, and William H. Anderson, have executed an Application for United States Patent based thereon, on the 10TH day of JULY, 2003; and

WHEREAS, **Owens-Brockway Glass Container Inc.**, a corporation of Delaware, 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 10TH day of JULY, 2003.



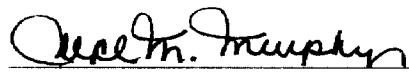
Timothy J. Nicks

STATE OF OHIO)
) ss:
COUNTY OF WOOD)

On this 10 day of July, 2003, before me, a Notary Public, personally appeared the above-named Timothy J. Nicks, 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.

SEAL

U.S. Serial No. 10/379,924 Filing Date 03/05/2003



Notary Public

JOYCE M. MURPHY
Notary Public, State of Ohio
Commission Expires **11-29-04**

PATENT
REEL: 014341 FRAME: 0791

ASSIGNMENT

WHEREAS, I, **William H. Anderson**, of 6909 Barleyton Circle, Sylvania, Ohio 43560, U.S.A., together with John W. Juvinall, Brian A. Langenderfer, James A. Ringlien, and Timothy J. Nicks, have jointly invented an improvement in **Container Sealing Surface Inspection**; and

WHEREAS, I, as a joint applicant with said John W. Juvinall, Brian A. Langenderfer, James A. Ringlien, and Timothy J. Nicks, have executed an Application for United States Patent based thereon, on the 2ND day of JULY, 2003; and

WHEREAS, **Owens-Brockway Glass Container Inc.**, a corporation of Delaware, 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, 2003.

William H. Anderson
William H. Anderson

STATE OF OHIO)
) ss:
COUNTY OF WOOD)

On this 2 day of July, 2003, before me, a Notary Public, personally appeared the above-named William H. Anderson, 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.

SEAL

Cape M. Murphy

Notary Public

JOYCE M. MURPHY

Notes: English Spanish Other

Commission Expires 11-29-04

U.S. Serial No. **10/379,924** Filing Date **03/05/2003**

PATENT

RECORDED: 07/31/2003

REEL: 014341 FRAME: 0792