

ASSIGNMENT

WHEREAS, I, D. WAYNE LEIDY of
 9921 Parliament Place, Perrysburg, Ohio 43551 U. S. A.,
 together with Derek Shinaberry and Daniel Stephen Farkas
 have jointly invented an improvement in "Synchronization of Individual Section
 Machine Operation to Gob Feed in a Glassware Forming System" ; and

WHEREAS, I, as a joint applicant with said Messrs. Shinaberry and Farkas
 have executed an Application for United States Patent based thereon, on the
2nd day of Feb., 1999; and

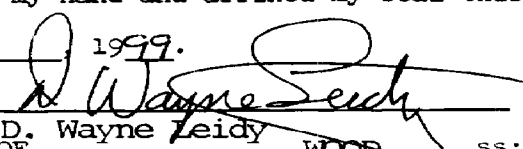
WHEREAS, OWENS-BROCKWAY GLASS CONTAINER INC., a Delaware
 corporation, is desirous of acquiring certain rights thereunder;

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;

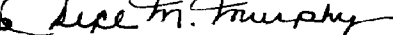
AND I hereby covenant and agree for myself, my heirs, and my legal repre-
 sentatives to assist my said assignee in the prosecution of said application
 and in any interference which may arise involving said invention, and, upon
 request, to execute without further consideration all necessary and desirable
 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
2nd day of Feb., 1999.

D. Wayne Leidy
 STATE OF OHIO, COUNTY OF WOOD ss:

On this 2 day of February, 1999, before me, a Notary Public,
 personally appeared the above named D. Wayne Leidy, 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.

JOYCE M. MURPHY

My Commission Expires: Notary Public, State of Ohio 
 My Commission Expires 11-29-99

U. S. Serial No. _____ Filing Date _____

ASSIGNMENT

WHEREAS, I, DEREK SHINABERRY

of

12501 S. Acuff Court, Olathe, Kansas 66062-5985

U. S. A.,

together with D. Wayne Leidy and Daniel Stephen Farkas

have jointly invented an improvement in "Synchronization of Individual Section Machine Operation to Gob Feed in a Glassware Forming System" ; and

WHEREAS, I, as a joint applicant with said Messrs. Leidy and Farkas have executed an Application for United States Patent based thereon, on the

3rd day of February, 1999; and

WHEREAS, OWENS-BROCKWAY GLASS CONTAINER 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

3rd day of February, 1999.

STATE OF Kansas, COUNTY OF Jay ss: Derek Shinaberry

On this 3rd day of February, 1999, before me, a Notary Public, personally appeared the above named Derek Shinaberry, 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:

3-16-2000



U. S. Serial No. _____ Filing Date _____

ASSIGNMENT

WHEREAS, I, DANIEL STEPHEN FARKAS of
 6751 Shadowcreek Drive, Maumee, Ohio 43537 U. S. A.,
 together with D. Wayne Leidy and Derek Shinaberry
 have jointly invented an improvement in "Synchronization of Individual Section
 Machine Operation to Gob Feed in a Glassware Forming System" ; and

WHEREAS, I, as a joint applicant with said Messrs. Leidy and Shinaberry
 have executed an Application for United States Patent based thereon, on the
2nd day of February, 1999; and

WHEREAS, OWENS-BROCKWAY GLASS CONTAINER 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
2nd day of February, 1999

Daniel Stephen Farkas
 Daniel Stephen Farkas

STATE OF OHIO, COUNTY OF WOODss:

On this 2 day of February, 1999, before me, a Notary Public,
 personally appeared the above named Daniel Stephen Farkas, 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.

JOYCE M. MURPHY
 My Commission Expires Notary Public, State of Ohio
 My Commission Expires 11-29-99

U. S. Serial No. _____ Filing Date _____