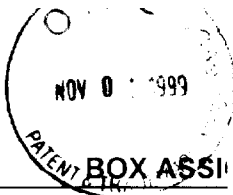


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Commissioner of Patents & Trademarks

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(Rev. 6-93)

**PATENTS OI**

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To the Honorable Commissioner of Patents and Trademarks: Please record

duplicate copy thereof.

1. Name of conveying Party(ies):

**Pedro Buarque De MACEDO,  
Robert K. MOHR, Hamid HOJAJI,  
Ian L. PEGG, Marek BRANDYS,**

Additional name(s) of conveying party(s) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other: \_\_\_\_\_

Execution Date: October 12, September 29, 29, 29, 30, 1999

2. Name and Address of receiving Party(ies):

Name: Pedro Buarque De Macedo

Street Address: 6100 Highboro Drive

City/State/Zip: Bethesda, Maryland 20817

Name: Theodore Aaron Litovitz

Street Address: 3022 Friends Road

City/State/Zip: Anapolis, Maryland 21401

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: \_\_\_\_\_

A. Patent Application No.(s)/Application Date

09/375,805, filed August 17, 1999

B. Patent No.(s)/Patent Date

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

Jacobson, Price, Holman & Stern, PLLC  
400 7th Street, N.W.  
Washington, D.C. 20004  
Tel. 202-638-6666

Attorney Docket No. P63808US0

6. Number of applications and patents involved: -1-

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

- ☒ Enclosed  
☒ Any deficiencies in enclosed fees are authorized to be charged to deposit account

8. Deposit Account No.: 06-1358

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

DO NOT USE THIS SPACE

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.

Jonathan L. Scherer  
Reg. No. 29,851

*Jonathan L. Scherer*  
Signature

November 1, 1999  
Date

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

11/03/1999 MAILING 00000003 09375805

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40.00 DP

FILED: August 17, 1999ASSIGNMENT

WHEREAS, Pedro Buarque De Macedo, whose address is 6100 Highboro Drive, Bethesda, Maryland 20817, Robert K. Mohr, whose address is 1762 T Street, Washington, D.C. 20009, Hamid Hojaji, whose address is 8117 Lilly Stone Drive, Bethesda, Maryland 20817, Ian L. Pegg, whose address is 6100 Bayliss Knoll Court, Alexandria, Virginia 22310, and Marek Brandys, whose address is 7606 Westlake Terrace, Bethesda, Maryland 20817, have invented certain new and useful improvements in an Air Bubbler To Increase Glass Production Rate, for which they are about to make application for United States Letters Patent and entitled Air Bubbler To Increase Glass Production Rate;

WHEREAS, Pedro Buarque De Macedo, whose address is 6100 Highboro Drive, Bethesda, Maryland 20817 and Theodore Aaron Litovitz, whose address is 3022 Friends Road, Annapolis, Maryland 21401 (hereinafter referred to as "Assignees"), are desirous of acquiring, and Pedro Buarque De Macedo, Robert K. Mohr, Hamid Hojaji, Ian L. Pegg, and Marek Brandys (hereinafter referred to as "Assignors") are desirous of assigning all of their right, title and interest in and to the said invention, and in and to the said application, and any Letters Patent that may issue thereon;

NOW THEREFORE, for and in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of

which is hereby acknowledged, Assignors hereby sell and assign to Assignees, their entire right, title and interest in and to the said invention and in and to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, reexaminations, continuations, and extensions thereof, and Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, to the Assignees.

Assignors also hereby sell and assign to Assignees, their successors, heirs and assigns, all foreign rights to the invention disclosed in said application, in all patent-granting countries of the world, including the right to file applications and obtain patents for said invention in said countries and including all rights of priority in said countries under the terms of the International Convention for the Protection of Industrial Property, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

Assignors also hereby agree to communicate to Assignees, their successors, heirs, assigns and representatives, any facts known respecting any improvements, and at the request and expense of Assignees, to testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, substitute, reexamination and continuation applications, make all lawful oaths, and generally do everything possible to aid Assignees, their successors, heirs,

assigns and representatives, to obtain and enforce proper patent protection for said invention in all countries.

Assignors hereby grant Harvey B. Jacobson, Jr.; D. Douglas Price; John C. Holman; Michael R. Slobasky; and Jonathan L. Scherer (Registrations Nos. 20,851, 24,514, 22,769, 26,421, and 29,851 respectively) the power to insert on this assignment any further identification which may be necessary or desirable in order to identify the related application or otherwise comply with the rules of the United States Patent and Trademark Office for recordation of this document.

*Mr* 12<sup>th</sup> IN WITNESS WHEREOF, I have hereunto set my hand and seal  
this 12<sup>th</sup> day of October, 1999.

*Pedro Buarque de Macedo*  
By: Pedro Buarque De Macedo

State of                    )  
                              )  
County of                 )

On the day above written, before me a Notary Public in and for the State and County aforesaid, personally appeared Pedro Buarque De Macedo, to me well known and known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his voluntary act and deed.

\_\_\_\_\_  
Notary Public

My commission expires:

IN WITNESS WHEREOF, I have hereunto set my hand and seal  
this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

  
By: Robert K. Mohr 9/29/99

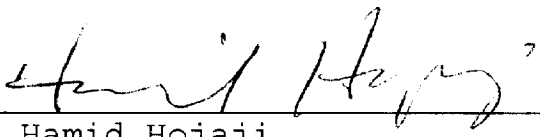
State of )  
          )  
County of )

On the day above written, before me a Notary Public in  
and for the State and County aforesaid, personally appeared Robert  
K. Mohr, to me well known and known by me to be the person of the  
above name who signed and sealed the foregoing instrument, and  
acknowledged the same to be his voluntary act and deed.

\_\_\_\_\_  
Notary Public

My commission expires:

IN WITNESS WHEREOF, I have hereunto set my hand and seal  
this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

  
By: Hamid Hojaji 9/29/99

State of )  
          )  
County of )

On the day above written, before me a Notary Public in  
and for the State and County aforesaid, personally appeared Hamid  
Hojaji, to me well known and known by me to be the person of the  
above name who signed and sealed the foregoing instrument, and  
acknowledged the same to be his voluntary act and deed.

\_\_\_\_\_  
Notary Public

My commission expires:

IN WITNESS WHEREOF, I have hereunto set my hand and seal  
this 29<sup>th</sup> day of September, 1999.

Ian L. Pegg  
By: Ian L. Pegg

State of )  
County of )

On the day above written, before me a Notary Public in  
and for the State and County aforesaid, personally appeared Ian L.  
Pegg, to me well known and known by me to be the person of the  
above name who signed and sealed the foregoing instrument, and  
acknowledged the same to be his voluntary act and deed.

\_\_\_\_\_  
Notary Public

My commission expires:

IN WITNESS WHEREOF, I have hereunto set my hand and seal  
this 30 day of September, 1999.

Marek Brandys  
By: Marek Brandys

State of )  
County of )

On the day above written, before me a Notary Public in  
and for the State and County aforesaid, personally appeared Marek  
Brandys, to me well known and known by me to be the person of the  
above name who signed and sealed the foregoing instrument, and  
acknowledged the same to be his voluntary act and deed.

\_\_\_\_\_  
Notary Public

My commission expires:

Witnessed by:

Carol Lee Matlack  
Carol Lee Matlack

David L. Horton 10/12/99  
David L. Horton