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Thomas H. Shaffer
Marla R. WolfsonAdditional name(s) of conveying party(ies) attached ☐ Yes ☒ No

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Execution Date: June 7, 2005

2. Name and address of receiving party(ies):

Temple University-Of The Commonwealth
System of Higher Education
Broad Street and Montgomery Avenue
Philadelphia, PA 19122Additional name(s) & addresses attached? ☐ Yes ☒ No

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

A. Patent Application No.(s)

11/149,114

B. Patent No.(s)

Additional numbers attached ☐ Yes ☒ No

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

DANIEL A. MONACO
Drinker Biddle & Reath LLP
One Logan Square
18th and Cherry Streets
Philadelphia, PA 19103-6996

Attorney Docket No. 6056-0344 US1

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$40.00

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DANIEL A. MONACO

Name of Person Signing



Signature

December 14, 2005

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Thomas H. Shaffer
Maria R. WellsonAdditional name(s) of conveying party(ies) attached ☐ Yes ☒ No

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 Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, we, Thomas H. Shaffer and Marla R. Wolfson, citizens of the United States with respective post office addresses of P.O. Box 337, Chadds Ford, PA 19317, and 806 East Gravers Lane, Wyndmoor, PA 19038, hereinafter generally referred to as "ASSIGNORS", have invented a certain new and useful

PROCESS FOR TRANSIENT AND STEADY STATE DELIVERY OF BIOLOGICAL AGENTS TO THE LUNG VIA BREATHABLE LIQUIDS

for which an application for patent was filed in the United States Patent Office on June 9, 2005, 2005 and assigned application Serial No. 11/149,114, and

WHEREAS, Temple University-Of The Commonwealth System of Higher Education, a Pennsylvania corporation having a place of business at Broad Street and Montgomery Avenue, Philadelphia, PA 19122, hereinafter generally referred to as "ASSIGNEE", is desirous of acquiring said invention and said application for Letters Patent,

WHEREAS, now and at the time the invention was made, said invention was subject to an obligation by ASSIGNORS to assign their entire right, title and interest therein to ASSIGNEE.

NOW, THEREFORE, in consideration of the sum of One Dollar and other good and valuable executed consideration, the full receipt and sufficiency of all of which are hereby acknowledged, and intending to be legally bound hereby, we, the undersigned ASSIGNORS, hereby agree to sell, assign, transfer and convey and by these presents do sell, assign, transfer and convey unto the above-named ASSIGNEE, the whole and entire right, title and interest

in and to said inventions as described in the above application for Letters Patent, for the territory of the United States and its possessions and territories and all foreign countries, and

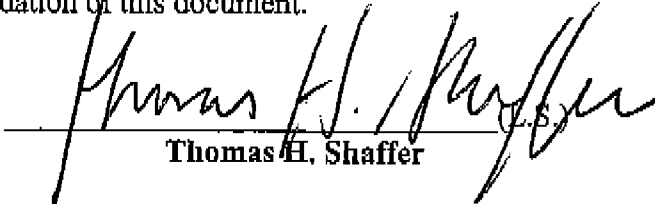
in and to the above application for Letters Patent, including continuing and/or divisional applications therefor, any provisional applications identified in the above application, and any and all United States Letters Patent which may be granted on said application(s) including reissues and reexaminations, and all foreign Letters Patent which may be granted on said invention, including reissues, extensions, renewals and reexaminations of such Letters Patent;

said invention, application and Letters Patent to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and behoof, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said Letters Patent may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby

Attorney Docket No.: 6056-0344 US1

covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the Letters Patent hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS.

I HEREBY authorize the above-mentioned ASSIGNEE or its legal representative to insert in the instrument the filing date and/or serial number of our aforesaid application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.


Thomas H. Shaffer

Commonwealth of Pennsylvania

:

SS

County of Philadelphia

:

Before me, a notary public, in and for the Commonwealth and County aforesaid, on this 7th day of June, 2005 personally appeared **Thomas H. Shaffer**, who being to me personally known, and who having first executed the foregoing instrument in my presence and having been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.


Notary Public

Sworn to and subscribed before me
this 7th day of June 2005

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL

MARY ANN DURKIN, Notary Public

City of Philadelphia, Phila. County

My Commission Expires June 29, 2008

Attorney Docket No.: 6056-0344 US1

Marla R. Wolfson (L.S.)
Marla R. Wolfson

Commonwealth of Pennsylvania

:

SS

County of Philadelphia

:

Before me, a notary public, in and for the Commonwealth and County aforesaid, on this 7th day of June, 2005 personally appeared **Marla R. Wolfson**, who being to me personally known, and who having first executed the foregoing instrument in my presence and having been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Mary Ann Durkin
Notary Public

Sworn to and subscribed before me
this 7th day of June 2005.

