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To the Honorable Commissioner of Patent,

102346237

Final documents or copy thereof.

1. Name of conveying party(ies):

Jamshed Shah
Anthony Treston
Glenn M. Swartz
Victor Pribluda

Barry P. Conner
Kimberly A. Hunsucker
John Rougas

1-22-03

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

2. Name and address of receiving party(ies)

Name: EntreMed, Inc.

Internal Address:

Street Address: 9640 Medical Center Drive

City: Rockville State: MD Zip: 20850

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

3. Nature of conveyance:

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

Execution Date: 11/25/02 (Shah/Treston/Pribluda); 12/2/2002 (Swartz); 1/3/03 (Conner); 11/23/02 (Hunsucker); 11/26/02 (Rougas)

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)
10/213,294

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Jeffery B. Arnold

Internal Address:

Kilpatrick Stockton LLP

Street Address: 1100 Peachtree Street

Suite 2800

City: Atlanta State: GA Zip: 30309

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:

11-0855

(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.

Jeffery B. Arnold, Reg. No. 39,540

Name of Person Signing

Signature

January 17, 2003

Date

Total number of pages including cover sheet, attachments, and documents:

Main documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

01/23/2003 LMUELLER 00000099 10213294

01 FC:8021

40.00 UP

PATENT
REEL: 013675 FRAME: 0027

ASSIGNMENT

WHEREAS, we, **JAMSHED SHAH**, a citizen of the United States of America, residing at 321 Haviland Mill Road, Brookeville, Maryland 20833; **ANTHONY TRESTON**, a citizen of Australia, residing at 408 Denham Road, Rockville, Maryland 20851; **GLENN M. SWARTZ**, a citizen of the United States of America, residing at 6190 Challedon Circle, Mt. Airy, Maryland 21771; **BARRY P. CONNER**, a citizen of the United States of America, residing at 3526 Laurel View Court, Laurel, Maryland 20724; **KIMBERLY A. HUNSUCKER**, a citizen of the United States of America, residing at 501 Dogwood Hills Lane, Alpharetta, Georgia 30004; **JOHN ROUGAS**, a citizen of the United States of America, residing at 12420 Great Park Circle, Germantown, Maryland 20876; and **VICTOR PRIBLUDA**, a citizen of Argentina, residing at 12608 Arbor View Court, Silver Spring, Maryland 20902; together with **ROBERT J. D'AMATO**, a citizen of the United States of America, residing at 4 Patriots Drive, Lexington, Massachusetts 02420; have invented certain inventions and improvements disclosed in a provisional patent application entitled "**SYNTHESIS AND ANTI-TUMOR ACTIVITY OF NITROGEN SUBSTITUTED THALIDOMIDE ANALOGS**," filed in the U.S. Patent & Trademark Office on August 6, 2002, and assigned Serial No. 10/213,294; and

WHEREAS, **ENTREMED, INC.**, a corporation of the State of Delaware, having a principal place of business at 9640 Medical Center Drive, Rockville, Maryland 20850, is desirous of acquiring an interest in the same;

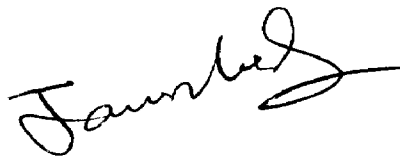
NOW, THEREFORE, for and in consideration of Five Dollars (\$5.00) and other good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, **JAMSHED SHAH, ANTHONY TRESTON, GLENN M. SWARTZ, BARRY P. CONNER, KIMBERLY A. HUNSUCKER, JOHN ROUGAS, and VICTOR PRIBLUDA**,

by these presents do sell, assign and transfer unto **ENTREMED, INC.**, the full, exclusive and entire right, title, and interest in and to said application, in and to any divisions, continuations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said application, preparatory to obtaining Letters Patent of the United States therefor; and we hereby request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said application, or from a division, continuation, or reissue thereof, to **ENTREMED, INC.**, as the assignee, for its interest and for the sole use and benefit of **ENTREMED, INC.** and its assigns and legal representatives;

For the same consideration, we, by these presents do sell, assign, and transfer to **ENTREMED, INC.**, the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **ENTREMED, INC.**, or its designee insofar as permitted by applicable law.

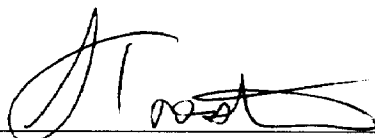
AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **ENTREMED, INC.** its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Dated: 11-25-02



JAMSHED SHAH

Dated: 11/25/02



ANTHONY TRESTON

Dated: 12/2/2002



GLENN M. SWARTZ

Dated: _____

BARRY P. CONNER

Dated: _____

KIMBERLY A. HUNSUCKER

Dated: _____

JOHN ROUGAS

Dated: 11-25-02



VICTOR PRIBLUDA

KS Docket: 05213-0921 (43170-275586)

ASSIGNMENT

WHEREAS, we, **JAMSHED SHAH**, a citizen of the United States of America, residing at 321 Haviland Mill Road, Brookeville, Maryland 20833; **ANTHONY TRESTON**, a citizen of Australia, residing at 408 Denham Road, Rockville, Maryland 20851; **GLENN M. SWARTZ**, a citizen of the United States of America, residing at 6190 Challedon Circle, Mt. Airy, Maryland 21771; **BARRY P. CONNER**, a citizen of the United States of America, residing at 3526 Laurel View Court, Laurel, Maryland 20724; **KIMBERLY A. HUNSUCKER**, a citizen of the United States of America, residing at 501 Dogwood Hills Lane, Alpharetta, Georgia 30004; **JOHN ROUGAS**, a citizen of the United States of America, residing at 12420 Great Park Circle, Germantown, Maryland 20876; and **VICTOR PRIBLUDA**, a citizen of Argentina, residing at 12608 Arbor View Court, Silver Spring, Maryland 20902; together with **ROBERT J. D'AMATO**, a citizen of the United States of America, residing at 4 Patriots Drive, Lexington, Massachusetts 02420; have invented certain inventions and improvements disclosed in a provisional patent application entitled "**SYNTHESIS AND ANTI-TUMOR ACTIVITY OF NITROGEN SUBSTITUTED THALIDOMIDE ANALOGS**," filed in the U.S. Patent & Trademark Office on August 6, 2002, and assigned Serial No. 10/213,294; and

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Dated: _____

JAMSHED SHAH

Dated: _____

ANTHONY TRESTON

Dated: _____

GLENN M. SWARTZ

Dated: 01/03/03

Barry P. Conner

BARRY P. CONNER

Dated: _____

KIMBERLY A. HUNSUCKER

Dated: _____

JOHN ROUGAS

Dated: _____

VICTOR PRIBLUDA

KS Docket: 05213-0921 (43170-275586)

ASSIGNMENT

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Dated: _____

JAMSHED SHAH

Dated: _____

ANTHONY TRESTON

Dated: _____

GLENN M. SWARTZ

Dated: _____

BARRY P. CONNER

Dated: 11/23/02

Kimberly A. Hunsucker
KIMBERLY A. HUNSUCKER

Dated: _____

JOHN ROUGAS

Dated: _____

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KS Docket: 05213-0921 (43170-275586)

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Dated: _____

JAMSHED SHAH

Dated: _____

ANTHONY TRESTON

Dated: _____

GLENN M. SWARTZ

Dated: _____

BARRY P. CONNER

Dated: _____

KIMBERLY A. HUNSUCKER

Dated: 11-26-02



JOHN ROUGAS

Dated: _____

VICTOR PRIBLUDA

KS Docket: 05213-0921 (43170-275586)