

11/5/09

11-09-2009



To the Director of the U.S. Patent

103580172

Documents or the new address(es) below.

1. Name of conveying party(ies):James D. Stoesz (10/12/2009), Alexis S. Statham
(10/30/2009), and Myhanh T. Truong (10/20/2009)Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**

Execution Date(s): in parentheses after inventor name

- ☒ Assignment ☐ Merger ☐ Change of Name
☐ Security Agreement ☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)Name: 3M Innovative Properties Company

Internal Address: _____

Street Address: _____

3M Center
2501 Hudson RoadCity: Saint PaulState: MinnesotaCountry: United States of America Zip: 55144Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**

A. Patent Application No.(s)

12/309,778

☐ This document is being filed together with a new application.

B. Patent No.(s)

NOV - 5

Additional numbers attached?

☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Kathryn A. Piffat
EDWARDS ANGELL PALMER & DODGE
LLPInternal Address: Atty. Dkt.: 68534(54610)Street Address: P.O. Box 55874City: BostonState: MA Zip: 02205Phone Number: (617) 517-5516Fax Number: (888) 325-9450Email Address: kpiffat@eapdlaw.com**6. Total number of applications and patents involved:**

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment InformationDeposit Account Number 04-1105Authorized User Name Kathryn A. Piffat**9. Signature:**Kathryn A. Piffat, Ph.D.
Signature

November 3, 2009

Date

Kathryn A. Piffat, Ph.D., Esq. - 34,901

Name of Person Signing

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

4

11/06/2009 DBYRNE 00000059 041105 12309778
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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this _____ day of _____, _____,

by James D. Stoesz; Alexis S. Statham; and Myhanh T. Truong (hereinafter referred to as Assignors), residing at 6810 Arlene Avenue, Inver Grove Heights, Minnesota 55077; 7230 Military Road, Woodbury, Minnesota 55129; and 6986 Timer Ridge Trail South, Cottage Grove, Minnesota 55016; respectively;

WHEREAS, Assignors have invented certain new and useful improvements in IMMUNE RESPONSE MODIFIER COMPOSITIONS AND METHODS, set forth in a Patent application (a) for International Application PCT/US2007/016001, which was filed on July 13, 2007, designating the United States, (b) for Letters Patent of the United States, filed on January 29, 2009, as Application No. 12/309,778 (the U.S. National Stage Application of PCT/US2007/016001, filed July 13, 2007), and (c) for Letters Patent in Canada as Canadian Patent Application 2,659,733 (the Canadian National Stage Application of PCT/US2007/016001, filed July 13, 2007).

WHEREAS, 3M Innovative Properties Company, a Corporation organized under and pursuant to the laws of Minnesota having its principal place of business at 3M Center, 2501 Hudson Road, Saint Paul, Minnesota 55144 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters

Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee

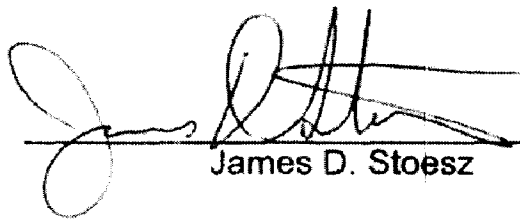
of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which 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:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 21874

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

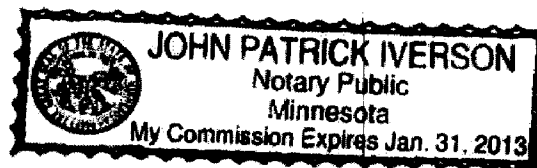

James D. Stoesz

Date: 10 12 2009

United States of America)
State of Minnesota) ss.:
County of Dakota)

On this 12 day of October, 2009, before me
personally came James D. Stoesz, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.


Notary Public



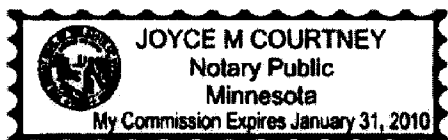
Alexis S. Statham

Alexis S. Statham

Date: 30 Oct 2009

United States of America)
State of Minnesota) ss.:
County of Ramsey)

On this 30th day of October, 2009, before me
personally came Alexis S. Statham, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.



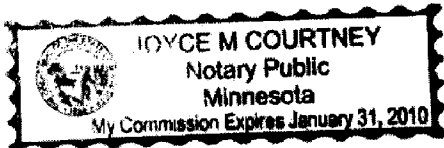
Joyce M. Courtney
Notary Public

Myhanh T. Truong
Myhanh T. Truong

Date: 20 Oct 2009

United States of America)
State of Minnesota) ss.:
County of Ramsey)

On this 20th day of October, 2009, before me
personally came Myhanh T. Truong, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.



Joyce M. Courtney
Notary Public