

06-24-2004



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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Ekambar R. Kandimalla Qiuayan Zhao Dong Yu Sudhir Agrawal Additional name(s) of conveying party(ies) attached? [ ] Yes [x] No

6-18-04

2. Name and address of receiving party(ies) Name: Hybridon, Inc. Internal Address: Street Address: 345 Vassar Street City: Cambridge State: MA Zip: 02139 Additional name(s) & address(es) attached? [ ] Yes [x] No

3. Nature of conveyance: [x] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other Execution Date: 6/1/04; 6/2/04; 6/8/04

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) 10/694,207 B. Patent No.(s) Additional numbers attached? [ ] Yes [x] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Wayne A. Keown, Ph.D. Internal Address: Street Address: 500 West Cummings Park Suite 1200 City: Woburn State: MA Zip: 01801

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00 [x] Enclosed [ ] Authorized to be charged to deposit account 8. Deposit account number:

DO NOT USE THIS SPACE

9. Signature. Joseph C. Zucchero (Reg. No. 55,762) Name of Person Signing Signature Date June 16, 2004 Total number of pages including cover sheet, attachments, and documents: 6

06/23/2004 LHMELER 00000167 10694207 01 FC:0021 40.00 DP

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

PATENT REEL: 015488 FRAME: 0540

## ASSIGNMENT

**WHEREAS** we, Ekambar A. Kandimalla, being a citizen of India and residing at 6 Candlewood Lane, Southboro, Massachusetts 01772-1981; Qiuyan Zhao, being a citizen of China and residing at 11 Southwood Drive, Southboro, Massachusetts 01772-1981; Dong Yu, being a citizen of China and residing at 25 Indian Pond Road, Westboro, Massachusetts 01581; and Sudhir Agrawal, being a citizen of India and residing at 61 Lamplighter Drive, Shrewsbury, Massachusetts 01545-5456, are inventors of certain new and useful inventions and discoveries, for which we have made an application for Letters Patent entitled **MODULATION OF IMMUNOSTIMULATORY ACTIVITY OF IMMUNOSTIMULATORY OLIGONUCLEOTIDE ANALOGS BY POSITIONAL CHEMICAL CHANGES**, which application was filed in the United States Patent and Trademark Office on October 27, 2003, and assigned Serial No. 10/694,207; and

**WHEREAS** Hybridon, Inc., a corporation existing under the laws of the State of Massachusetts, whose address is 345 Vassar Street, Cambridge, Massachusetts 02139, which together with its successors and assigns is hereinafter called "ASSIGNEE," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

**NOW THEREFORE**, for and in consideration of good and valuable consideration furnished by ASSIGNEE to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

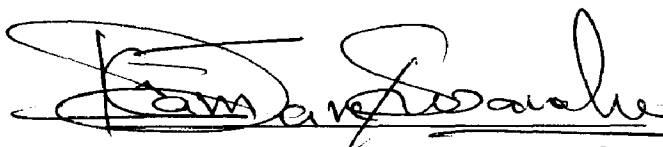
1. Assign, transfer and convey to ASSIGNEE the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon, or arise from, said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize ASSIGNEE to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable, under International Conventions or otherwise;
3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments throughout the world to issue or transfer all said Letters Patent to ASSIGNEE as ASSIGNEE of the entire right, title and interest therein or otherwise as ASSIGNEE may direct;
4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same, or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to ASSIGNEE without encumbrance;
5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon ASSIGNEE's request and at ASSIGNEE's expense, but without additional consideration to us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patents shall be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns as if this Assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications and oaths, and all assignments, disclaimers and lawful affidavits in form and substance as may be requested by ASSIGNEE; and to communicate to ASSIGNEE all facts known to me relating to said inventions and discoveries or the history thereof, and to testify as to the same in any court or proceeding; and to furnish ASSIGNEE any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my

conceptions, disclosures, and reduction to practice of said invention and discoveries.

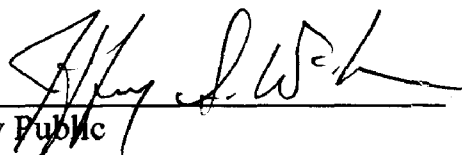
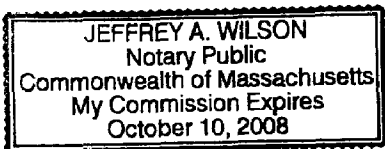
**IN TESTIMONY WHEREOF, we have hereunto set our hands and seals.**

Date: June 02, 2004



Ekambar R. Kandimalla

Then personally appeared before me this 2<sup>nd</sup> day of June, 2004, the above named Ekambar Kandimalla who acknowledged the execution of the foregoing instrument to be his free act and deed.



Notary Public

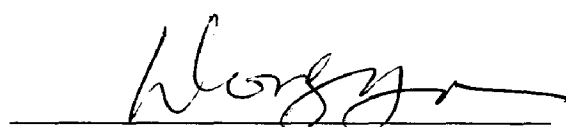
Date: \_\_\_\_\_

\_\_\_\_\_  
Qiuyan Zhao

Then personally appeared before me this \_\_\_\_\_ day of \_\_\_\_\_, 2004, the above named \_\_\_\_\_ who acknowledged the execution of the foregoing instrument to be his free act and deed.

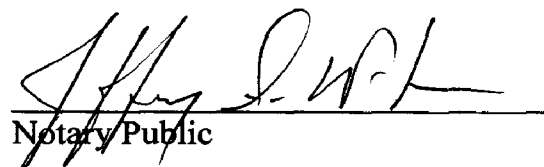
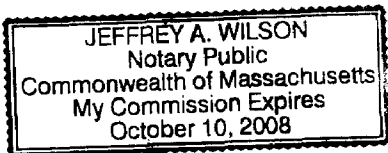
\_\_\_\_\_  
Notary Public

Date: 6-2-04



Dong Yu

Then personally appeared before me this 2<sup>nd</sup> day of June, 2004, the above named Dong Yu who acknowledged the execution of the foregoing instrument to be his free act and deed.



Notary Public

conceptions, disclosures, and reduction to practice of said invention and discoveries.

**IN TESTIMONY WHEREOF, we have hereunto set our hands and seals.**

Date: \_\_\_\_\_

Ekambar R. Kandimalla

Then personally appeared before me this \_\_\_\_\_ day of \_\_\_\_\_, 2004, the above named \_\_\_\_\_ who acknowledged the execution of the foregoing instrument to be his free act and deed.

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

Date: June 8, 2004

Qiuyan Zhao

Qiuyan Zhao

Then personally appeared before me this 8th day of June, 2004, the above named Qiuyan Zhao who acknowledged the execution of the foregoing instrument to be his free act and deed.

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

Hillary Young Brigandi

HILLARY YOUNG BRIGANDI  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
December 3, 2010



Date: \_\_\_\_\_

Dong Yu

Then personally appeared before me this \_\_\_\_\_ day of \_\_\_\_\_, 2004, the above named \_\_\_\_\_ who acknowledged the execution of the foregoing instrument to be his free act and deed.

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

Date: June 1<sup>st</sup> 04

Sudhir Agrawal  
Sudhir Agrawal

Then personally appeared before me this 1<sup>st</sup> day of June, 2004,  
the above named Sudhir Agrawal who acknowledged the execution of the  
foregoing instrument to be his free act and deed.

Jeffrey A. Wilson  
Notary Public

