

06-24-2004

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

PTO-1595 (Rev. 03/01)  
OMB No. 065-0227 (exp. 5/31/2002)  
Tab settings

RECO

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

1. Name of conveying party(ies):

Sudhir Agrawal  
Ekambar R, Kandimalla  
Fu-Gang Zhu

6-21-04

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) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Additional name(s) & address(es) attached?  Yes  No

Execution Date: 5/13/04

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) \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

10/852,598

Additional numbers attached?  Yes  No

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

Name: Wayne A. Keown, Ph.D.

Internal Address: Keown & Associates

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

DO NOT USE THIS SPACE

9. Signature.

Wayne A. Keown, Ph.D. (Reg. No. 33,923)  
Name of Person Signing

*Wayne A. Keown*  
Signature

6/16/04  
Date

Total number of pages including cover sheet, attachments, and documents:  4

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

06/23/2004 6TOM11 00000126 10852598

01-PC-0021

40.00 OP

PATENT  
REEL: 015485 FRAME: 0529

## ASSIGNMENT

**WHEREAS** we, Sudhir Agrawal, being a citizen of United States of America and residing at 61 Lamplighter Drive, Shrewsbury, Massachusetts 01545-5456, United States of America; Ekambar R. Kandimalla, being a citizen of India and residing at 6 Candlewood Lane, Southboro, Massachusetts 01772-1981, United States of America; and Fu-Gang Zhu, being a citizen of Canada and residing at 10 Buttonwood Street, Apt. #2, Dorchester, Massachusetts 02125, United States of America are the inventors of certain new and useful inventions and discoveries, for which we have made an application for Letters Patent entitled **MODULATION OF IMMUNOSTIMULATORY PROPERTIES BY SMALL OLIGONUCLEOTIDE-BASED COMPOUNDS**, which application was filed in the United States Patent and Trademark Office on May 24, 2004 as U.S. Serial No. 10/852,598 and claims priority to U.S.S.N. 60/528,277 filed on December 8, 2003; and

**WHEREAS** Hybridon, Inc., a corporation existing under the laws of the United States of America, whose address is 345 Vassar Street, Cambridge, Massachusetts 02139, United States of America, 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

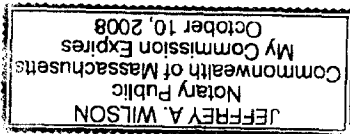
other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said invention and discoveries.

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

Date: May 13. 04

Sudhir Agrawal  
Sudhir Agrawal

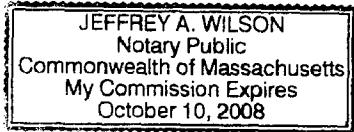
Then personally appeared before me this 13<sup>th</sup> day of MAY, 2004, the above named Sudhir Agrawal who acknowledged the execution of the foregoing instrument to be his free act and deed.



Jeffrey A. Wilson  
Notary Public  
Ekambar R. Kandimalla  
Ekambar R. Kandimalla

Date: May 13, 04

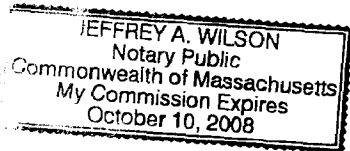
Then personally appeared before me this 13<sup>th</sup> day of MAY, 2004, the above named Ekambar Kandimalla who acknowledged the execution of the foregoing instrument to be his free act and deed.



Jeffrey A. Wilson  
Notary Public  
Fu-Gang Zhu  
Fu-Gang Zhu

Date: 5-13-04

Then personally appeared before me this 13<sup>th</sup> day of MAY, 2004, the above named Fu-Gang Zhu who acknowledged the execution of the foregoing instrument to be his free act and deed.



Jeffrey A. Wilson  
Notary Public