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PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

1. Sudhir Agrawal
2. Ekambar Kandimalla
3. Dong Yu

Execution Date(s) 8/1/05 2. 8/2/05 3. 8/1/05Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance:**

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

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

Internal Address: _____

Street Address: 345 Vassar StreetCity: CambridgeState: MACountry: USAZip: 02139Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/174,448

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Joseph C. ZuccheroInternal Address: Keown & AssociatesStreet Address: 500 West Cummings ParkSuite 1200City: WoburnState: MAZip: 01801Phone Number: 781-938-1805Fax Number: 781-938-4777

Email Address: _____

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

8. Payment Informationa. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit Account Number 50-2285Authorized User Name Keown & Associates**9. Signature:**Joseph C. Zucchero
Signature9/15/05
Date

Joseph C. Zucchero (Reg. No. 55,762)

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

4

Name of Person Signing

09/23/2005 DBYRNE

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Documents 11/174,448 (including cover sheet) should be faxed to (703) 306-5995, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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40.00 DA

PATENT
REEL: 017012 FRAME: 0266

ASSIGNMENT

WHEREAS we, Sudhir Agrawal, being a citizen of the United States of America and residing at 61 Lamplighter Drive, Shrewsbury, MA 01545-5456; Ekambar Kandimalla, being a citizen of the United States of America and residing at 6 Candlewood Lane, Southboro, MA 01772-1981; and Dong Yu, being a citizen of the P.R. China and residing at 25 Indian Pond Road, Westboro, MA 01581-1145, are the inventors of certain new and useful inventions and discoveries, for which we have made an application for Letters Patent entitled **IMMUNOSTIMULATORY OLIGONUCLEOTIDE MULTIMERS**, which application was filed on July 1, 2005, in the United States Patent and Trademark Office and assigned serial number 11/174,448 ; 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

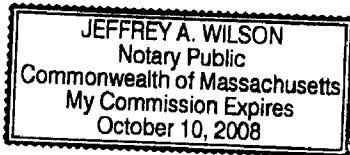
- conceptions, disclosures, and reduction to practice of said invention and discoveries.

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

Date: Aug. 1 '05

Sudhir Agrawal
Sudhir Agrawal

Then personally appeared before me this 1st day of August, 2005,
the above named Dr. Sudhir Agrawal who acknowledged the execution of the
foregoing instrument to be his free act and deed.

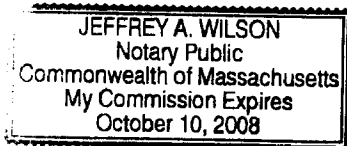


Jeffrey A. Wilson
Notary Public

Date: Aug 2 '05

Ekambar Kandimalla
Ekambar Kandimalla

Then personally appeared before me this 2nd day of August, 2005,
the above named Dr. Ekambar Kandimalla who acknowledged the execution of the
foregoing instrument to be his free act and deed.

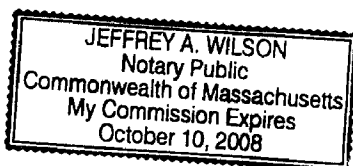


Jeffrey A. Wilson
Notary Public

Date: 8-01-05

Dong Yu
Dong Yu

Then personally appeared before me this 1st day of August, 2005,
the above named Dr. Dong Yu who acknowledged the execution of the
foregoing instrument to be his free act and deed.



Jeffrey A. Wilson
Notary Public