

RECORDATION FORM  
PATENTS

02-25-1999

DEPARTMENT OF COMMERCE  
Patent and Trademark Office



To the Honorable Commissioner of Patents and Trademarks, Please

100972110

or copy thereof.

1. Name of conveying party(ies):  
Yongxin Han  
Jimmy Tang  
Zhoada Zhang  
Additional name(s) of conveying party(ies) attached?  Yes  No

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OPR/FINANCE

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

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: February 11, 1998

Street Address: 155 Fortune Boulevard  
City: Millford State MA ZIP 01757  
Additional name(s) & address attached?  Yes  No

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)  
08/865,666  
Additional numbers attached?  Yes  No

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Wayne A. Keown, Ph.D.  
Internal Address:  
HALE AND DORR LLP  
Street Address: 60 State Street  
City: Boston State MA ZIP 02109

6. Total number of applications and registrations involved ..... 1  
7. Total fee (37 CFR 3.41)..... \$40.00  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit Account Number:  
08-0219  
(Attach duplicate copy of this page if paying by deposit account)

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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.*  
Wayne A. Keown, Ph.D.  
Reg. No. 33,923  
Name of Person Signing  
Signature  
Date  
Total number of pages including cover sheet, attachments, and document 6

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JANUARY 1999

ASSIGNMENT

WHEREAS, we, Yongxin Han, being a citizen of China, and residing at 1300 Worcester Road, Apt. P304, Framingham, MA 01702, United States of America, Jimmy Tang, being a Citizen of China, and residing at 61 Gates Street, Framingham, MA 01702, United States of America, Zhoada Zhang, being a citizen of China, 60 Common Drive, #43, Shrewsbury, MA 01545, United States of America, Jin-Yan Tang, being a citizen of China, and residing at 15 Sandpiper Drive, Shrewsbury, MA 01545, United States of America, are the inventors of certain new and useful inventions and discoveries, for which we have made an application for a Letters Patent entitled "NOVEL SULFUR TRANSFER REAGENTS FOR OLIGONUCLEOTIDE SYNTHESIS," also identified as Attorney Docket No. 475.08.361, the specification of which was filed with the United States Patent and Trademark Office on May 30, 1997, and assigned Serial No. 08/865,666; and

WHEREAS, Hybridon, Inc., whose address is 260 Memorial Drive, Cambridge, MA 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 our employment by ASSIGNEE and other 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 United States Patent Application, any and all other applications for Letters Patent(s) on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, reexamination and convention applications based

in whole, or in part, upon said inventions or discoveries, or upon said applications, and any and all Letters Patent(s), reissues, and extensions of Letters Patent(s) 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(s);

2. Authorize ASSIGNEE to file patent applications in any or all countries on any or all of said inventions and discoveries in our 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(s) to ASSIGNEE, as assignee of the entire right, title, and interest therein or otherwise as ASSIGNEE may direct;

5. 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;

6. 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 either us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patent(s) shall

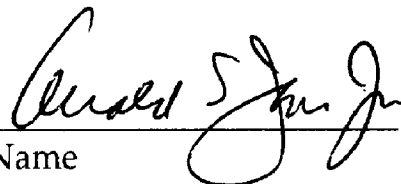
be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this Assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications, 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 us 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 our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

DATE: 9-16-98

  
Han Yongxin Yongxin Han

WITNESSED BY:

 9/16/98  
Name

KSP Amuro Asia Associates Inc.  
Address

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

DATE: 7/21/98

Jimmy Tang  
Jimmy Tang

WITNESSED BY:

Valerie B. Murray  
Name  
VALERIE B. MURRAY

155 FORTUNE BOULEVARD  
Address  
MILFORD, MA 01757

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

DATE: 7/29/98

Zhoada Zhang  
Zhoada Zhang

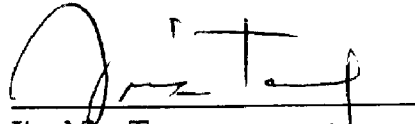
WITNESSED BY:

David Quincy  
Name  
David Quincy

71 Rogers St.  
Address  
Cambridge, MA 02142

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

DATE: 7/17/98

  
Jin-Yin Tang

WITNESSED BY:

Valerie B. Murray  
Name  
VALERIE B. MURRAY

155 FORTUNE BOULEVARD, HILFORD, MA 01757  
Address