

05-09-2002

Atty Docket No.: 222701US99



FORM PTO-1595  
1-31-92

102083223

U.S. DEPARTMENT OF COMMERCE  
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):

Hao LI; Ravindranath DROOPAD; Daniel S. MARSHALL; Yi WEI; Xiao M. HU; Yong LIANG

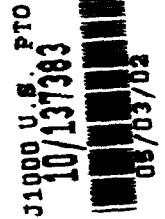
5-3-02

Additional name(s) of conveying party(ies) attached?  Yes  No

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

Name: THOUGHTBEAM, INC.

Address: Mail Drop TX32/PL42  
7700 W. Parmer Lane  
Austin, TX 78729



3. Nature of Conveyance:

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

Execution Date: April 25, 2002; April 23, 2002;  
April 23, 2002; April 22, 2002;  
April 22, 2002; April 23, 2002

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

4. Application number(s) or patent number(s):

10,137,383

If this document is being filed together with a new application, the execution date of the application is:

April 25, 2002; April 23, 2002; April 23, 2002; April 22, 2002; April 22, 2002; April 23, 2002

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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



22850

6. Total applications and patents involved: One

7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 15-0030  
(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.

Richard L. Treanor

Name of Person Signing

Signature

5/3/02

Date

Registration Number: 36,379

Total number of pages including this cover sheet: 8

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05/06/2002 SSITHIB1 00000065 10137383

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PATENT  
REEL: 012863 FRAME: 0725

## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **HAO LI, CHANDLER, ARIZONA; RAVINDRANATH DROOPAD, CHANDLER, ARIZONA; DANIEL S. MARSHALL, CHANDLER, ARIZONA; YI WEI, CHANDLER, ARIZONA; ARIZONA; XIAO M. HU, CHANDLER, ARIZONA and YONG LIANG, GILBERT, ARIZONA** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **THOUGHTBEAM, INC.**, a corporation of the State of Delaware, having its principal office in Austin, State of Texas, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in **METHOD FOR GROWING A MONOCRYSTALLINE OXIDE LAYER AND FOR FABRICATING A SEMICONDUCTOR DEVICE ON A MONOCRYSTALLINE SUBSTRATE** (Docket No. **JG00673**), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto **THOUGHTBEAM, INC.**, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize **THOUGHTBEAM, INC.** to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to **THOUGHTBEAM, INC.**, for the sole use and benefit of **THOUGHTBEAM, INC.**, its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to **THOUGHTBEAM, INC.**

We agree that, when requested, we will, without charge to **THOUGHTBEAM, INC.**, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all

countries and for vesting title thereto in THOUGHTBEAM, INC., its successors, assigns and legal representatives or nominees.

We covenant with THOUGHTBEAM, INC., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

[Signature]  
HAO LI

DATE: 4/25/02

STATE OF PENNSYLVANIA )  
COUNTY OF Northampton )ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Hao Li whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 25 day of April, 2002.

My commission expires:

[Signature]  
Notary Public Signature

Carole G Gombosi  
Printed Name of Notary Public

Notarial Seal  
Carole G. Gombosi, Notary Public  
Bethlehem, Northampton County  
My Commission Expires Mar. 28, 2003  
Member, Pennsylvania Association of Notaries

Ravindranath Droopad  
RAVINDRANATH DROOPAD

DATE: April 23, 2002

STATE OF ARIZONA        )  
  )ss  
COUNTY OF MARICOPA    )

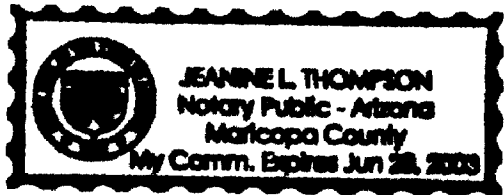
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Ravindranath Droopad whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 23<sup>rd</sup> day of April, 2002.

My commission expires: June 28, 2003

Jeanine L. Thompson  
Notary Public Signature

Jeanine L. Thompson  
Printed Name of Notary Public



Daniel S. Marshall  
DANIEL S. MARSHALL

DATE: 4/23/02

STATE OF ARIZONA            )  
  )ss  
COUNTY OF MARICOPA        )

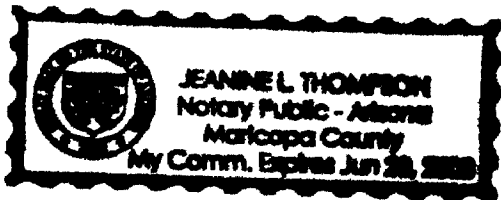
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Daniel S. Marshall whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this    day of April, 2002.

My commission expires: June 28, 2003

Jeanine L. Thompson  
Notary Public Signature

Jeanine L. Thompson  
Printed Name of Notary Public



*WY*

DATE: 4/22/2002

YI WEI

STATE OF ARIZONA            )  
  )ss  
COUNTY OF MARICOPA        )

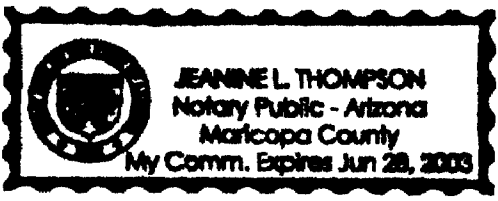
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Yi Wei whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 22 day of April, 2002.

My commission expires: June 28, 2003

*Jeanine L. Thompson*  
Notary Public Signature

Jeanine L. Thompson  
Printed Name of Notary Public



Xiao M. Hu  
XIAO M. HU

DATE: 4/22/02

STATE OF ARIZONA            )  
  )ss  
COUNTY OF MARICOPA        )

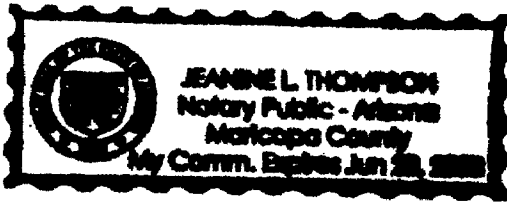
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Xiao M. Hu whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 22<sup>nd</sup> day of April, 2002.

My commission expires: June 28, 2003

Jeanine L. Thompson  
Notary Public Signature

Jeanine L. Thompson  
Printed Name of Notary Public



Yong Liang  
YONG LIANG

DATE: 4/23/2002

STATE OF ARIZONA            )  
  )ss  
COUNTY OF MARICOPA    )

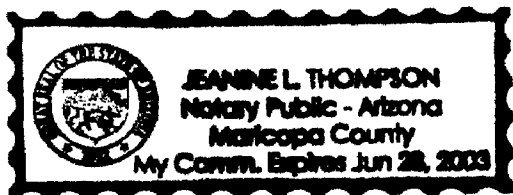
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Yong Liang whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 23<sup>rd</sup> day of April, 2002.

My commission expires:

Jeanine L. Thompson  
Notary Public Signature

Jeanine L. Thompson  
Printed Name of Notary Public



JG00673

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