

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Richard SILVER</td> <td>02/26/2008</td> </tr> <tr> <td>Bryan BARNES</td> <td>02/26/2008</td> </tr> <tr> <td>Ravikiran ATTOTA</td> <td>02/26/2008</td> </tr> </tbody> </table>		Name	Execution Date	Richard SILVER	02/26/2008	Bryan BARNES	02/26/2008	Ravikiran ATTOTA	02/26/2008
Name	Execution Date								
Richard SILVER	02/26/2008								
Bryan BARNES	02/26/2008								
Ravikiran ATTOTA	02/26/2008								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY								
<b>Street Address:</b>	100 Bureau Drive								
<b>City:</b>	Gaithersburg								
<b>State/Country:</b>	MARYLAND								
<b>Postal Code:</b>	20899								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11931140</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11931140				
Property Type	Number								
Application Number:	11931140								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(512)536-4598								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	512-474-5201								
<b>Email:</b>	cnorred@fulbright.com								
<b>Correspondent Name:</b>	David D. Bahler								
<b>Address Line 1:</b>	600 Congress Avenue								
<b>Address Line 2:</b>	Suite 2400								
<b>Address Line 4:</b>	Austin, TEXAS 78701								
<b>ATTORNEY DOCKET NUMBER:</b>	SEMB:054US								
<b>NAME OF SUBMITTER:</b>	David D. Bahler								

Total Attachments: 4  
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**500473683**

**PATENT**  
**REEL: 020568 FRAME: 0155**

**OP \$40.00 11931140**

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**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of Santa Clara

On Feb. 26, 2008 before me, Angelina Lopez "Notary Public"

personally appeared Richard Martin Silver,

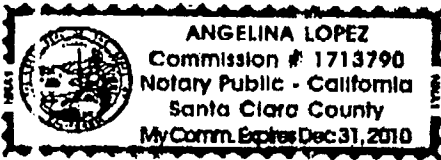
Ravikiran Attota And Bryan Michael Barnes

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies) and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: [Handwritten Signature]  
Signature of Notary Public



Place Notary Seal Above

**OPTIONAL**

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

**Description of Attached Document**

Title or Type of Document: Assignment (PATENT FILE NO. SEMBIOGLUS)

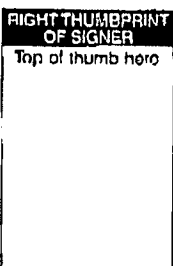
Document Date: 2/26/08 Number of Pages: 1

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: Richard Martin Silver  
Ravikiran Attota

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to National Institute of Standards and Technology (the "Assignee"), having a place of business at 100 Bureau Drive, Gaithersburg, MD 20899, their entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. 11/931,140 which has been filed on October 31, 2007 and is entitled "ZERO-ORDER OVERLAY TARGETS," which claims priority to U.S. Provisional Application No. 60/855,957 filed on November 1, 2006, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: *Richard Silver* Date: 2/26/08  
Name: Richard SILVER

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_, 2008 personally appeared Richard SILVER, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

Signature: *Bryan M. Barnes* Date: 26 Feb 2008  
Name: Bryan BARNES

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_, 2008 personally appeared Bryan BARNES, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

Signature: *Ravikiran*  
Name: Ravikiran ATTOTA

Date: 02/26/08

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_, 2008 personally appeared Ravikiran ATTOTA, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

FULBRIGHT & JAWORSKI L.L.P.  
600 Congress Avenue, Suite 2400  
Austin, Texas 78701