

**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>Christoph Lang</td> <td>08/30/2007</td> </tr> <tr> <td>Vladimir Petkov</td> <td>08/30/2007</td> </tr> <tr> <td>Udo Gomez</td> <td>09/13/2007</td> </tr> </tbody> </table> |                                  | Name          | Execution Date | Christoph Lang      | 08/30/2007 | Vladimir Petkov | 08/30/2007 | Udo Gomez | 09/13/2007 |
| Name  | Execution Date                   |               |                |                     |            |                 |            |           |            |
| Christoph Lang  | 08/30/2007                       |               |                |                     |            |                 |            |           |            |
| Vladimir Petkov   | 08/30/2007                       |               |                |                     |            |                 |            |           |            |
| Udo Gomez   | 09/13/2007                       |               |                |                     |            |                 |            |           |            |
| <b>RECEIVING PARTY DATA</b>   |                                  |               |                |                     |            |                 |            |           |            |
| <b>Name:</b>  | Robert Bosch GmbH                |               |                |                     |            |                 |            |           |            |
| <b>Street Address:</b>  | Postfach 30 02 20                |               |                |                     |            |                 |            |           |            |
| <b>City:</b>  | Stuttgart                        |               |                |                     |            |                 |            |           |            |
| <b>State/Country:</b>   | GERMANY                          |               |                |                     |            |                 |            |           |            |
| <b>Postal Code:</b>   | 70442                            |               |                |                     |            |                 |            |           |            |
| <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>11857796</td> </tr> </tbody> </table>   |                                  | Property Type | Number         | Application Number: | 11857796   |                 |            |           |            |
| Property Type   | Number                           |               |                |                     |            |                 |            |           |            |
| Application Number:   | 11857796                         |               |                |                     |            |                 |            |           |            |
| <b>CORRESPONDENCE DATA</b>  |                                  |               |                |                     |            |                 |            |           |            |
| <b>Fax Number:</b>  | (408)342-1909                    |               |                |                     |            |                 |            |           |            |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>  |                                  |               |                |                     |            |                 |            |           |            |
| <b>Phone:</b>   | 4083421900                       |               |                |                     |            |                 |            |           |            |
| <b>Email:</b>   | rgregory@csgip.com               |               |                |                     |            |                 |            |           |            |
| <b>Correspondent Name:</b>  | Courtney Staniford & Gregory LLP |               |                |                     |            |                 |            |           |            |
| <b>Address Line 1:</b>  | PO Box 9686                      |               |                |                     |            |                 |            |           |            |
| <b>Address Line 4:</b>  | San Jose, CALIFORNIA 95157       |               |                |                     |            |                 |            |           |            |
| <b>ATTORNEY DOCKET NUMBER:</b>  | BOSC.P016                        |               |                |                     |            |                 |            |           |            |
| <b>NAME OF SUBMITTER:</b>   | Richard L. Gregory, Jr.          |               |                |                     |            |                 |            |           |            |

Total Attachments: 3  
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**PATENT**

**REEL: 019851 FRAME: 0453**

**500357861**

**OP \$40.00 11857796**



# RECORDATION FORM COVER SHEET PATENTS ONLY

BOSC.P016

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)**  
 Christoph Lang, Vladimir Petkov, Udo Gomez

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

**2. Name and address of receiving party(ies)**  
 Name: Robert Bosch GmbH  
 Internal Address: Postfach 30 02 20  
 Street Address: \_\_\_\_\_  
 City: Stuttgart  
 State: \_\_\_\_\_  
 Country: Germany Zip: 70442

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

**3. Nature of conveyance/Execution Date(s):**  
 Execution Date(s) 8/30/2007, 9/13/2007

Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**  This document is being filed together with a new application.

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

Additional numbers attached?  Yes  No

**6. Total number of applications and patents involved:** 1

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

Name: Richard L. Gregory, Jr.  
 Internal Address: \_\_\_\_\_  
Courtney Staniford & Gregory LLP  
 Street Address: 10001 N. De Anza Blvd., Suite 300  
 City: Cupertino  
 State: CA Zip: 95014  
 Phone Number: 408-342-1900  
 Fax Number: 408-342-1909  
 Email Address: rgregory@csgip.com

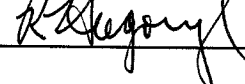
**7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00**

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

**8. Payment Information**

a. Credit Card Last 4 Numbers 9076  
 Expiration Date 05/09

b. Deposit Account Number \_\_\_\_\_  
 Authorized User Name Richard L. Gregory

**9. Signature:**   
 \_\_\_\_\_  
 Signature

Richard L. Gregory, Jr.  
 Name of Person Signing

September 19, 2007  
 Date

Total number of pages including cover sheet, attachments, and documents: 3

**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **Christoph Lang, Vladimir Petkov, and Udo Gomez**, the undersigned Assignors, believing to be the original, first and sole or joint inventors of any and all new and useful improvements disclosed in the application for the United States patent entitled

**CANCELLING LOW FREQUENCY ERRORS IN MEMS SYSTEMS**

hereby sell, assign, and transfer to **Robert Bosch GmbH**, having a principal place of business at Stuttgart, Germany, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the same patent application

\_\_\_ which was filed with the United States Patent and Trademark Office on \_\_\_\_\_,  
and which was assigned Application Number \_\_\_\_\_.

X which has been executed by the undersigned prior hereto or concurrently  
herewith on the dates indicated below.

The undersigned further sell, assign, and transfer to Assignee said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

The undersigned further agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives.

The undersigned covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

The undersigned hereby authorize and request the Officials of the United States Patent and Trademark Office and any and all foreign Patent Offices to issue any and all Letters Patents, when granted, to said Assignee as the assignee of the entire right, title and interest in and to the same, for the sole use of said Assignee, its successors and assigns, to the full end of the term for which said Letters Patents may be granted.

The undersigned hereby grant to the practitioners at Customer Number 53186, the Customer Number of Courtney Staniford & Gregory LLP, the power to insert on this document any further identification necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

**Inventor/Assignor: Please Sign and Date Below:**

08/30, 2007  
Date

  
Name: Christoph LANG

08/30, 2007  
Date

  
Name: Vladimir PETKOV

09/13, 2007  
Date

  
Name: Udo GOMEZ