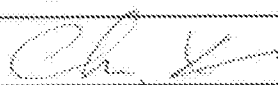
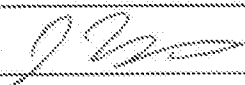


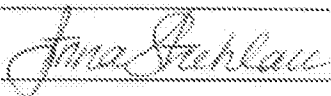
## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:                                                                                                                                                                                                                                                                                                                                                                                                   | NEW ASSIGNMENT                      |               |                                     |                     |                      |               |                |                |            |              |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------|-------------------------------------|---------------------|----------------------|---------------|----------------|----------------|------------|--------------|-------|
| NATURE OF CONVEYANCE:                                                                                                                                                                                                                                                                                                                                                                                              | ASSIGNMENT                          |               |                                     |                     |                      |               |                |                |            |              |       |
| CONVEYING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                                               |                                     |               |                                     |                     |                      |               |                |                |            |              |       |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Xuewei Chen</td> <td>02/15/2012</td> </tr> <tr> <td>Anna Strehlau</td> <td>02/17/2012</td> </tr> <tr> <td>Jesse Myers</td> <td>02/15/2012</td> </tr> </tbody> </table>                                                                                                                                       |                                     | Name          | Execution Date                      | Xuewei Chen         | 02/15/2012           | Anna Strehlau | 02/17/2012     | Jesse Myers    | 02/15/2012 |              |       |
| Name                                                                                                                                                                                                                                                                                                                                                                                                               | Execution Date                      |               |                                     |                     |                      |               |                |                |            |              |       |
| Xuewei Chen                                                                                                                                                                                                                                                                                                                                                                                                        | 02/15/2012                          |               |                                     |                     |                      |               |                |                |            |              |       |
| Anna Strehlau                                                                                                                                                                                                                                                                                                                                                                                                      | 02/17/2012                          |               |                                     |                     |                      |               |                |                |            |              |       |
| Jesse Myers                                                                                                                                                                                                                                                                                                                                                                                                        | 02/15/2012                          |               |                                     |                     |                      |               |                |                |            |              |       |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                                                                                                                                               |                                     |               |                                     |                     |                      |               |                |                |            |              |       |
| <table border="1"> <tr> <td>Name:</td> <td>Schaeffler Technologies AG &amp; Co. KG</td> </tr> <tr> <td>Street Address:</td> <td>Industriestrasse 1-3</td> </tr> <tr> <td>City:</td> <td>Herzogenaurach</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>91074</td> </tr> </table>                                                                                     |                                     | Name:         | Schaeffler Technologies AG & Co. KG | Street Address:     | Industriestrasse 1-3 | City:         | Herzogenaurach | State/Country: | GERMANY    | Postal Code: | 91074 |
| Name:                                                                                                                                                                                                                                                                                                                                                                                                              | Schaeffler Technologies AG & Co. KG |               |                                     |                     |                      |               |                |                |            |              |       |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                                    | Industriestrasse 1-3                |               |                                     |                     |                      |               |                |                |            |              |       |
| City:                                                                                                                                                                                                                                                                                                                                                                                                              | Herzogenaurach                      |               |                                     |                     |                      |               |                |                |            |              |       |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                                     | GERMANY                             |               |                                     |                     |                      |               |                |                |            |              |       |
| Postal Code:                                                                                                                                                                                                                                                                                                                                                                                                       | 91074                               |               |                                     |                     |                      |               |                |                |            |              |       |
| PROPERTY NUMBERS Total: 1                                                                                                                                                                                                                                                                                                                                                                                          |                                     |               |                                     |                     |                      |               |                |                |            |              |       |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13767544</td> </tr> </tbody> </table>                                                                                                                                                                                                                                          |                                     | Property Type | Number                              | Application Number: | 13767544             |               |                |                |            |              |       |
| Property Type                                                                                                                                                                                                                                                                                                                                                                                                      | Number                              |               |                                     |                     |                      |               |                |                |            |              |       |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                | 13767544                            |               |                                     |                     |                      |               |                |                |            |              |       |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                                                                                                                                                |                                     |               |                                     |                     |                      |               |                |                |            |              |       |
| <p>Fax Number: 2485284912<br/> <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 248-528-4910<br/>       Email: patentmail-try@schaeffler.com</p> <p>Correspondent Name: Schaeffler Group USA, Inc.<br/>       Address Line 1: 1750 E. Big Beaver<br/>       Address Line 2: Intellectual Property Department<br/>       Address Line 4: Troy, MICHIGAN 48083</p> |                                     |               |                                     |                     |                      |               |                |                |            |              |       |
| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                                                                                                                                                            | P115590-10US                        |               |                                     |                     |                      |               |                |                |            |              |       |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                                                                                                                                                 | Connie L. Park                      |               |                                     |                     |                      |               |                |                |            |              |       |
| <p>Total Attachments: 2<br/>       source=P115590-10USExAssignment#page1.tif<br/>       source=P115590-10USExAssignment#page2.tif</p>                                                                                                                                                                                                                                                                              |                                     |               |                                     |                     |                      |               |                |                |            |              |       |

OP \$40.00 13767544

| ASSIGNMENT OF INVENTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                 | Docket Number: P115590-00US                                                                                    |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------|
| Invention disclosure no.<br>E115501                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                 | <b>ASSIGNEE</b><br>Schaeffler Technologies AG & Co. KG<br>Industriestrasse 1-3<br>91074 Herzogenaurach Germany |           |
| Application no. (may be added later if not known at execution)<br>13/767,544                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                 |                                                                                                                |           |
| Filing date (may be added later if not known at execution)<br>February 14, 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |           |
| Title of Invention<br>VARIABLE VALVE UNIVERSAL BRACKET DESIGN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                 |                                                                                                                |           |
| <p>Whereas, I/We, the undersigned inventor(s), have invented certain new and useful improvements in the above-entitled invention, and desire to assign a one hundred percent (100%) undivided interest in said invention, any applications disclosing said invention, including any divisionals, continuations, and continuations-in-part thereof, and any Patents which may be granted therefor; and</p> <p>Whereas, the above-identified ASSIGNEE is desirous of acquiring the entire right, title and interest in the same;</p> <p>Now, therefore, in consideration of the sum of one dollar (\$1.00) and of other good and valuable consideration paid to each of the undersigned by said ASSIGNEE, the receipt whereof is hereby acknowledged, I/We, the undersigned, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to said invention in the United States and all foreign countries, and the entire right, title and interest in and to any and all Patents which may be granted therefore in the United States and all foreign countries. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patents to said ASSIGNEE, of the entire right, title, and interest in and to the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns or other legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.</p> <p>Furthermore, the undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment, and agrees to promptly execute and procure any lawful documents required for ASSIGNEE to apply for, obtain, maintain, issue, and enforce its rights in said invention, including documents to perfect title, and/or any applications for foreign patents and/or improvements in said invention prepared by ASSIGNEE from time to time at its own expense.</p> |                                                 |                                                                                                                |           |
| Inventor name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Residence                                       | Signature                                                                                                      | Date      |
| Xuewei Chen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 24344 Cavendish Ave. E.<br>Novi, MI 48375       |                            | 2/15/2012 |
| Anna Strehlau                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1229 Devonshire Rd.<br>Windsor, ON, N8Y 2M8     |                                                                                                                |           |
| Jesse Myers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1182 Sherwood Forest Ct<br>Waterford, MI 480327 |                            | 2/15/2012 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |           |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------|
| <b>ASSIGNMENT OF INVENTION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 | Docket Number: P115590-00US                                                                                    |            |
| Invention disclosure no.<br><div style="text-align: right;">E115501</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                 | <b>ASSIGNEE</b><br>Schaeffler Technologies AG & Co. KG<br>Industriestrasse 1-3<br>91074 Herzogenaurach Germany |            |
| Application no. (may be added later if not known at execution)<br><div style="text-align: center; font-size: 1.2em;">13/767,544</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                 |                                                                                                                |            |
| Filing date (may be added later if not known at execution)<br><div style="text-align: center; font-size: 1.2em;">February 14, 2013</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                 |                                                                                                                |            |
| Title of Invention<br><div style="text-align: center; font-weight: bold;">VARIABLE VALVE UNIVERSAL BRACKET DESIGN</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                 |                                                                                                                |            |
| <p>Whereas, I/We, the undersigned inventor(s), have invented certain new and useful improvements in the above-entitled invention, and desire to assign a one hundred percent (100%) undivided interest in said invention, any applications disclosing said invention, including any divisionals, continuations, and continuations-in-part thereof, and any Patents which may be granted therefor; and</p> <p>Whereas, the above-identified ASSIGNEE is desirous of acquiring the entire right, title and interest in the same;</p> <p>Now, therefore, in consideration of the sum of one dollar (\$1.00) and of other good and valuable consideration paid to each of the undersigned by said ASSIGNEE, the receipt whereof is hereby acknowledged, I/We, the undersigned, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to said invention in the United States and all foreign countries, and the entire right, title and interest in and to any and all Patents which may be granted therefore in the United States and all foreign countries. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patents to said ASSIGNEE, of the entire right, title, and interest in and to the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns or other legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.</p> <p>Furthermore, the undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment, and agrees to promptly execute and procure any lawful documents required for ASSIGNEE to apply for, obtain, maintain, issue, and enforce its rights in said invention, including documents to perfect title, and/or any applications for foreign patents and/or improvements in said invention prepared by ASSIGNEE from time to time at its own expense.</p> |                                                 |                                                                                                                |            |
| Inventor name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Residence                                       | Signature                                                                                                      | Date       |
| Xuewei Chen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 24344 Cavendish Ave. E.<br>Novi, MI 48375       |                                                                                                                |            |
| Anna Strehlau                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1229 Devonshire Rd.<br>Windsor, ON, N8Y 2M8     |                            | 17 Feb '12 |
| Jesse Myers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1182 Sherwood Forest Ct<br>Waterford, MI 480327 |                                                                                                                |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                |            |

**PATENT**

**RECORDED: 02/15/2013**

**REEL: 029818 FRAME: 0179**