

## 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>Misato KUSAKARI</td> <td>03/28/2012</td> </tr> <tr> <td>Taichiro NISHIKAWA</td> <td>04/04/2012</td> </tr> <tr> <td>Yoshihiro NAKAI</td> <td>03/28/2012</td> </tr> <tr> <td>Yoshiyuki TAKAKI</td> <td>04/02/2012</td> </tr> <tr> <td>Yasuyuki OTSUKA</td> <td>04/16/2012</td> </tr> </tbody> </table> |   | Name          | Execution Date                     | Misato KUSAKARI     | 03/28/2012                                  | Taichiro NISHIKAWA | 04/04/2012 | Yoshihiro NAKAI | 03/28/2012 | Yoshiyuki TAKAKI | 04/02/2012 | Yasuyuki OTSUKA | 04/16/2012 |
| Name   | Execution Date                              |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| Misato KUSAKARI  | 03/28/2012                                  |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| Taichiro NISHIKAWA   | 04/04/2012                                  |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| Yoshihiro NAKAI  | 03/28/2012                                  |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| Yoshiyuki TAKAKI   | 04/02/2012                                  |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| Yasuyuki OTSUKA  | 04/16/2012                                  |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| RECEIVING PARTY DATA   |   |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| <table border="1"> <tr> <td>Name:</td> <td>Sumitomo Electric Industries, Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi,</td> </tr> <tr> <td>City:</td> <td>Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>541-0041</td> </tr> </table>   |   | Name:         | Sumitomo Electric Industries, Ltd. | Street Address:     | 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, | City:              | Osaka      | State/Country:  | JAPAN      | Postal Code:     | 541-0041   |                 |            |
| Name:  | Sumitomo Electric Industries, Ltd.          |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| Street Address:  | 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| City:  | Osaka                                       |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| State/Country:   | JAPAN                                       |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| Postal Code:   | 541-0041                                    |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| <table border="1"> <tr> <td>Name:</td> <td>AUTONETWORKS TECHNOLOGIES, LTD.</td> </tr> <tr> <td>Street Address:</td> <td>1-14, Nishisuehiro-cho, Yokkaichi-shi,</td> </tr> <tr> <td>City:</td> <td>Mie</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>510-8503</td> </tr> </table>   |   | Name:         | AUTONETWORKS TECHNOLOGIES, LTD.    | Street Address:     | 1-14, Nishisuehiro-cho, Yokkaichi-shi,      | City:              | Mie        | State/Country:  | JAPAN      | Postal Code:     | 510-8503   |                 |            |
| Name:  | AUTONETWORKS TECHNOLOGIES, LTD.             |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| Street Address:  | 1-14, Nishisuehiro-cho, Yokkaichi-shi,      |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| City:  | Mie   |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| State/Country:   | JAPAN                                       |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| Postal Code:   | 510-8503                                    |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| <table border="1"> <tr> <td>Name:</td> <td>SUMITOMO WIRING SYSTEMS, LTD.</td> </tr> <tr> <td>Street Address:</td> <td>1-14, Nishisuehiro-cho, Yokkaichi-shi,</td> </tr> <tr> <td>City:</td> <td>Mie</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>510-8503</td> </tr> </table>   |   | Name:         | SUMITOMO WIRING SYSTEMS, LTD.      | Street Address:     | 1-14, Nishisuehiro-cho, Yokkaichi-shi,      | City:              | Mie        | State/Country:  | JAPAN      | Postal Code:     | 510-8503   |                 |            |
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| State/Country:   | JAPAN                                       |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| Postal Code:   | 510-8503                                    |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| 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>13505260</td> </tr> </tbody> </table>  |   | Property Type | Number                             | Application Number: | 13505260                                    |                    |            |                 |            |                  |            |                 |            |
| Property Type  | Number                                      |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |
| Application Number:  | 13505260                                    |               |                                    |                     |   |                    |            |                 |            |                  |            |                 |            |

CH \$40.00 13505260

**CORRESPONDENCE DATA**

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**ATTORNEY DOCKET NUMBER:**

070456-0356

**NAME OF SUBMITTER:**

Brian K. Seidleck

**Total Attachments: 3**

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RECORDATION FORM COVER SHEET

**Docket No.: 070456-0356**

**PATENTS ONLY**

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of Conveying Party(ies)**  
**Misato KusaKARI, Taichiro NISHIKAWA, Yoshihiro NAKAI, Yoshiyuki TAKAKI, Yasuyuki OTSUKA**

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

**2. Name and address of receiving party(ies)**  
 Name: **1) Sumitomo Electric Industries, Ltd.**  
**2) AUTONETWORKS TECHNOLOGIES, LTD.**  
**3) SUMITOMO WIRING SYSTEMS, LTD.**

Internal Address:

Address: **1) 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 Japan**  
**2) 1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 510-8503 Japan**  
**3) 1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 510-8503 Japan**

**3. Nature of Conveyance/Execution Date(s)**

Execution Date(s): **March 28, 2012; April 4, 2012; March 28, 2012; April 2, 2012 and April 16, 2012 respectively**

Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment

**4. Application or patent number(s):**  
 A. Patent Application No(s).

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

This document is being filed together with a new application.  
 B. Patent No(s).

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

Name: **MCDERMOTT WILL & EMERY LLP**  
 Internal Address:  
 Street Address: **600 13th Street, N.W.**  
 City: **Washington, State: DC Zip: 20005-3096 D.C.**  
 Phone Number: **202.756.8000**  
 Fax Number: **202.756.8087**  
 Email Address: **mweipdocket@mwe.com**

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

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

**8. Payment Information:**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
 Expiration Date \_\_\_\_\_

b. Deposit Account Number 500417  
 Authorized User Name \_\_\_\_\_

**9. Signature.** *Stephen A. Becker* Reg. No. 51,321  
**Stephen A. Becker 26,527**

**April 30, 2012**

|   |           |      |
|---|-----------|------|
| Name and Registration No. of Person Signing                             | Signature | Date |
| Total number of pages including cover sheet, attachments and documents: |           | 3    |

Attorney Docket No.: \_\_\_\_\_

**ASSIGNMENT**

WHEREAS, Misato KUSAKARI, Taichiro NISHIKAWA, Yoshihiro NAKAI, Yoshiyuki TAKAKI, and Yasuyuki OTSUKA, hereinafter called the "Assignors," have jointly invented a new and useful invention entitled Aluminum Alloy Wire, for which he has:

- (a) filed an application for United States Letters Patent on \_\_\_\_\_ as (Serial No. \_\_\_\_\_); or
- (b) executed an application for United States Letters Patent on March 28, 2012, April 2, 2012, April 4, 2012, and April 16, 2012; or
- (c) filed a provisional application on \_\_\_\_\_ as (Serial No. \_\_\_\_\_); and

WHEREAS, (1) Sumitomo Electric Industries, Ltd., (2) AUTONETWORKS TECHNOLOGIES, LTD., and (3) SUMITOMO WIRING SYSTEMS, LTD., a corporation organized and existing under the laws of Japan, having a place of business at: (1) 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 Japan, (2) 1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 510-8503 Japan, and (3) 1-14, Nishisuehiro-cho, Yokkaichi-shi, Mie 510-8503 Japan, hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under any Letters Patent which may be obtained to said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient considerations, the receipt of which by said Assignors from the said Assignee is hereby acknowledged, the said Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or

terms for which any and all of said Letters Patent for said inventions may issue.

And the said Assignors do hereby covenant and agree, for himself and his legal representatives, that he will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

The undersigned hereby grant(s) the attorneys of McDermott, Will & Emery LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the said Assignors have hereunto set his hands and affixed his seal.

Date: March 28, 2012 Misato Kusakari (Seal)  
Misato KUSAKARI

Date: April 4, 2012 Taichiro Nishikawa (Seal)  
Taichiro NISHIKAWA

Date: March 28, 2012 Yoshihiro Nakai (Seal)  
Yoshihiro NAKAI

Date: April 2, 2012 Yoshiyuki Takaki (Seal)  
Yoshiyuki TAKAKI

Date: April 16, 2012 Yasuyuki Otsuka (Seal)  
Yasuyuki OTSUKA