# Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

### **CONVEYING PARTY DATA**

| Name               | Execution Date |
|--------------------|----------------|
| Etsuhisa Yamada    | 01/14/2010     |
| Haruyuki Nishijima | 01/18/2010     |
| Tomohiko Nakamura  | 01/12/2010     |
| Gouta Ogata        | 01/15/2010     |
| Hiroshi Oshitani   | 01/20/2010     |
| Ryoko Awa          | 01/15/2010     |
| Tatsuhiko Nishino  | 01/12/2010     |
| Mika Gocho         | 01/15/2010     |

#### **RECEIVING PARTY DATA**

| Name:           | DENSO CORPORATION        |  |
|-----------------|--------------------------|--|
| Street Address: | 1-1, Showa-cho           |  |
| City:           | Kariya-city, Aichi-pref. |  |
| State/Country:  | JAPAN                    |  |
| Postal Code:    | 448-8661                 |  |

### PROPERTY NUMBERS Total: 1

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 12655815 |

## **CORRESPONDENCE DATA**

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**REEL: 023990 FRAME: 0986** 

PATENT

| NAME OF SUBMITTER:   | H. Keith Miller |  |  |  |
|--|-----------------|--|--|--|
| Total Attachments: 2 source=Assignment 4041J-001644#page1.tif source=Assignment 4041J-001644#page2.tif |                 |  |  |  |

PATENT REEL: 023990 FRAME: 0987

#### ASSIGNMENT BY INVENTORS

Sole or Joint

WHEREAS, the undersigned, hereinafter referred to as Assignor(s), have invented

|     | undersigned executed an application for Letters Patent of the United States of America |
|-----|--|
| (A) | even date herewith   |
| (B) | on   |
| (C) | X in U.S. Appln. No. 12/655,815 filed 01/07/2010                                       |
|     | HEREAS, O CORPORATION,1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan         |

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, Assignors by these presents do sell, assign and transfer unto Assignee, its successors in interest, the full and exclusive right in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States and the Paris Convention, to the said invention as described in the specification executed by Assignors of even date preparatory to filing a United States application for patent therefor, said invention and all United States applications for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignors had this assignment and sale not been made; and Assignors hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of United States application for patent and all foreign countries on, for litigation regarding, or for the purpose of protecting title to the said invention, the United States application for patent, or Letters Patent therefor for the benefit of Assignee without further or other compensation than that above set forth; and Assignors hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee(s).

| Etsuhisa Jamada                                   | Jamary 14,2010                  | Tatsuhiro Sugaki<br>Witness   |
|---|---------------------------------|-------------------------------|
| Inventor 1: Etsuhisa Yamada                       | Date                            | Witness                       |
| Hariyuki Nishijima Inventor 2: Hariyuki Nishijima | January 18, 2010<br>Date        | Jutsuhiro Sumuki<br>Witness   |
| Tomohiko Nakamura Inventor 3: Tomohiko Nakamura   | January 12,2010<br>Date         | Joshikire Yamamoto<br>Witness |
| Jouta Ogata Inventor 4: Gouta Ogata               | <u>faniary 15, 2010</u><br>Date | itatuhiro Luzuki'. Witness    |
| Hiroshi Oshitani Inventor 5: Hiroshi Oshitani     | January 70, 20/0<br>Date        | Fatruhiro Suzuki<br>Witness   |

\_ L IF ADDITIONAL INVENTORS, check and continue on page2.

**PATENT** 

REEL: 023990 FRAME: 0988

Attorney Docket No. 4041J-124267-US-JSJ/nk

# **ASSIGNMENT BY INVENTORS**

Sole or Joint

Ryoko Awa January 15, 2010

Inventor 6: Ryoko Awa Date

Jasuhiko Nishino

Inventor 7: Tatsuhiko Nishino

Mika Bocho

Inventor 8: Mika Gocho

Date

January 15, 2010

January 15, 2010

Jatauhiro Suzuki

Witness

Date

Date

Date

Witness

**RECORDED: 02/25/2010** 

PATENT

**REEL: 023990 FRAME: 0989**