

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hiroataka SAIKAKU	07/20/2011
Tsuyoshi YAMAMOTO	07/23/2011
Shoji MIZUNO	07/23/2011
Masakiyo SUMITOMO	07/23/2011
Tetsuo FUJII	07/26/2011
Jun SAKAKIBARA	07/23/2011
Hitoshi YAMAGUCHI	07/23/2011
Yoshiyuki HATTORI	08/03/2011
Rie TAGUCHI	08/03/2011
Makoto KUWAHARA	08/06/2011

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:	13190798

CORRESPONDENCE DATA

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OP \$40.00 13190798

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NAME OF SUBMITTER:	Therese Varndell
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Total Attachments: 2 source=assignment_01_2232#page1.tif source=assignment_01_2232#page2.tif

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby expressly acknowledged, the undersigned hereby agree(s) to assign, and hereby sell(s), assign(s) and transfer(s) to

DENSO CORPORATION, 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

as Assignee, and its successors, assigns or other legal representatives, the entire right, title and interest, in the United States of America and its territories, dependencies and possessions, to certain inventions known as

SEMICONDUCTOR DEVICE HAVING SWITCHING ELEMENT AND FREE WHEEL DIODE AND METHOD FOR CONTROLLING THE SAME

described in an application for Letters Patent of the United States executed

X on even date herewith
 as U.S. Application Serial No. filed on

as well as any and all continuations, divisions, and reissues of said application and all Letters Patents that may be granted therefor. The undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent or Letters Patents to said Assignee.

The undersigned agree(s), when requested, to sign all papers, take all rightful oaths, and perform all acts which may be necessary for securing and maintaining patents for said inventions and for vesting title thereto in said Assignee.

The undersigned authorize(s) and empower(s) said Assignee to invoke and claim the benefit of the right of priority provided under any and all international conventions and treaties in respect of said inventions, as may be necessary in connection with said application.

The undersigned also authorize(s) Posz Law Group, PLC to insert hereon any further identification that may be necessary or desirable for recordation of this document.

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Inventor 1: **Hiroataka Saikaku**

July 20, 2011
Date

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Witness

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July 23, 2011
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■ Continued on page 2 for additional inventors

ASSIGNMENT

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<u>Rie Taguchi</u> Inventor 9: Rie Taguchi	<u>August 3, 2011</u> Date	<u>Tomoki Morioka</u> Witness
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