

03-07-2005

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HDP Docket No. 4041J-000968  
Express Mail Label No.

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To the Director of the U.S. Patents and Tra

documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Hiroyasu Kidokoro  
Yoshihiro Watanabe

Execution Date(s)

Hiroyasu Kidokoro February 1, 2005  
Yoshihiro Watanabe February 4, 2005

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

3. Nature of conveyance:

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

2. Name and address of receiving party(ies)

1) Name: DENSO Corporation

Address: 1-1, Showa-cho

Kariya-city, Aichi-pref.

Japan 448-8661

2) Name: Advics Co., Ltd.

Address: 2-1, Showa-cho

Kariya-city, Aichi-pref.

Japan 448-8688

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

4. Application number(s) or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: H. Keith Miller, Esq.

Internal Address: Harness, Dickey & Pierce, P.L.C.

02/25/2005 AADDF01 00000005 11062937

04 FC:8021 40.00 DF

Street Address: P.O. Box 828

City: Bloomfield Hills

State: MI Zip: 48303

Phone Number: 248-641-1600

Fax Number: 248-641-0270

Email Address:

6. Total number of applications and patents involved: 1

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 08-0750

Authorized User Name H. Keith Miller, Esq.

9. Signature:

Signature

February 22, 2005

Date

Michael J. Schmidt, Esq., Reg. No. 34,007

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

2

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT  
REEL: 016338 FRAME: 0580

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02/25/2005 AADDF01 00000005 11062937  
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112959 U.S. PTO  
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# ASSIGNMENT BY INVENTORS

Sole or Joint

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

## SEMICONDUCTOR SWITCH

for which the undersigned executed an application for Letters Patent of the United States of America:

- (A)  even date herewith
- (B) \_\_\_\_\_ on \_\_\_\_\_
- (C) \_\_\_\_\_ in U.S. Appln. No. \_\_\_\_\_ filed \_\_\_\_\_

AND WHEREAS,

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

**ADVICS CO., LTD., 2-1, Showa-cho, Kariya-city, Aichi-pref., 448-8688 Japan**

hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

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).

Hiroyasu Kidokoro  
 Inventor 1: **Hiroyasu Kidokoro**

February 1, 2005  
 Date

Hideki Kabune  
 Witness

Yoshihiro Watanabe  
 Inventor 2: **Yoshihiro Watanabe**

February 4, 2005  
 Date

Niremi Maehata  
 Witness