

U.S. PTO  
12/805420  
07/30/2010

Form POSZ-1595-PLG (Rev. 08/05)  
OMB No. 0651-0027 (exp. 6/30/2008)

08-10-2010



103603866

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

Attorney docket: 01-2034

To the Director of the U.S. Patent and Trademark Office

Documents or the new address(es) below.

1. Name of conveying party(ies)

(1): Yasuhiro KITAMURA

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s): (1): July 22, 2010

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

2. Name and address of receiving party(ies)

Name: DENSO CORPORATION

Street Address: 1-1, SHOWA-CHO

City: KARIYA-CITY

State: AICHI-PREF.

Country: JAPAN Zip: 448-8661

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application 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 to whom correspondence concerning document should be mailed:

Name: DAVID G. POSZ

POSZ LAW GROUP, PLC

Street Address: 12040 SOUTH LAKES DRIVE, SUITE 101

City: RESTON

State: VA Zip: 20191

Phone Number: (703) 707-9110

Fax Number: (703) 707-9112

Email Address: \_\_\_\_\_

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- ☒ 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 1009  
Expiration Date 09/2010

b. Deposit Account Number 50-1147

Authorized User Name DAVID G. POSZ

9. Signature: \_\_\_\_\_

Signature

July 30, 2010

Date

DAVID G. POSZ (REG. NO. 37,701)

Name of Person Signing

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

2

08/02/2010 LNGUYEN1 00000013 12805420

04 FC:0021

48.00 0P

PATENT

REEL: 024819 FRAME: 0167

## 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 INCLUDING VERTICAL TRANSISTOR  
AND HORIZONTAL TRANSISTOR AND METHOD OF MANUFACTURING 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.

*Yasuhiro Kitamura*

Inventor 1: **Yasuhiro Kitamura**

*July 22, 2010*  
Date

*Kazushu Asami*  
Witness