

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Deva Pattanayak	06/14/2010
Kyle Terrill	06/15/2010
Kuo-In Chen	06/20/2010
Calvin Choi	06/15/2010
Qufei Chen	06/15/2010
Ronald Wong	06/15/2010
Kam Hong Lui	06/15/2010
Robert Xu	06/14/2010
Mohammed Kasem	06/12/2010

RECEIVING PARTY DATA

Name:	Vishay-Siliconix
Street Address:	2201 Laurelwood Road
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12610148

CORRESPONDENCE DATA

Fax Number: (408)938-9060
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 408-938-9060
Email: officeaction@mhbpatents.com
Correspondent Name: VISHAY/SILICONIX C/O MURABITO, HAO & BAR
Address Line 1: 2 N. MARKET STREET
Address Line 2: THIRD FLOOR

OP \$40.00 12610148

501212443

PATENT
REEL: 024575 FRAME: 0988

Address Line 4: SAN JOSE, CALIFORNIA 95113

ATTORNEY DOCKET NUMBER:

VISH-8787

NAME OF SUBMITTER:

Anthony C. Murabito

Total Attachments: 4

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Assignment to VISHAY-SILICONIX

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we
 Deva Pattanayak, King Owyang, Mohammed Kasem, Kyle Terrill, Reuven Katrarro, Kuo-In Chen, Calvin Choi,
 Qufei Chen, Ronald Wong, Kam Hong Lui and Robert Xu
 do hereby sell, assign, and transfer unto Vishay-Siliconix (hereinafter called Vishay-Siliconix), a Delaware
 Corporation having its principal place of business at 2201 Laurelwood Road, Santa Clara, CA 95054, and its
 successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to
 any and all improvements, including the right of priority in, to, and under, the application for the United States
 patent entitled:

SEMICONDUCTOR DEVICE WITH TRENCH-LIKE FEED-THROUGHS

filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the
 United States and of countries foreign thereto which may be granted thereon or therefor, or

X Serial No.: 12610148 filed on 2009-10-30 and the inventions set forth
 and described therein, and any and all Letters Patent of the United States and of countries foreign thereto
 which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of Vishay-Siliconix, its successors or assigns,
 to execute and deliver without further compensation any power of attorney, assignment, application, whether
 original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to
 Vishay-Siliconix, its successors and assigns, the inventions described in said application and all patent rights
 therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of
 interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent
 provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by
 Vishay-Siliconix.

I/we further covenant with Vishay-Siliconix, its successors, assigns, and legal representatives that no assignment,
 grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to
 others by the undersigned, and that full right to convey the same as herein expressed is possessed by the
 undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: _____ Date: _____
 King Owyang

Inventor's Signature: _____ Date: _____
 Mohammed Kasem

Inventor's Signature: Deva Pattanayak Date: 6/14/10
 Deva Pattanayak

Inventor's Signature: Kyle Terrill Date: 6/15/10
 Kyle Terrill

Inventor's Signature: _____ Date: _____
 Reuven Katrarro

Inventor's Signature: Kuo-In Chen Date: 6/20/10
 Kuo-In Chen

Inventor's Signature: Calvin Choi Date: 6/15/10
 Calvin Choi

Inventor's Signature:
Qufei Chen

Date: 6/15/10

Inventor's Signature:
Ronald Wong

Date: 6/15/10

Inventor's Signature:
Kam Hong Lui

Date: 6/15/10

Inventor's Signature:
Robert Xu

Date: 6/14/2010

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 Qufei Chen, Ronald Wong, Kam Hong Lui and Robert Xu
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 Corporation having its principal place of business at 2201 Laurelwood Road, Santa Clara, CA 95054, and its
 successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to
 any and all improvements, including the right of priority in, to, and under, the application for the United States
 patent entitled:

SEMICONDUCTOR DEVICE WITH TRENCH-LIKE FEED-THROUGHS

_____ filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the
 United States and of countries foreign thereto which may be granted thereon or therefor; or

X Serial No.: 12610148 filed on 2009-10-30 and the inventions set forth
 and described therein, and any and all Letters Patent of the United States and of countries foreign thereto
 which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of Vishay-Siliconix, its successors or assigns,
 to execute and deliver without further compensation any power of attorney, assignment, application, whether
 original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to
 Vishay-Siliconix, its successors and assigns, the inventions described in said application and all patent rights
 therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of
 interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent
 provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by
 Vishay-Siliconix.

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 grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to
 others by the undersigned, and that full right to convey the same as herein expressed is possessed by the
 undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: _____ Date: _____
 King Owyang

Inventor's Signature: Y. M. Kasem Date: 6/12/10
 Mohammed Kasem

Inventor's Signature: _____ Date: _____
 Deva Pattanayak

Inventor's Signature: _____ Date: _____
 Kyle Terrill

Inventor's Signature: _____ Date: _____
 Reuven Katrarro

Inventor's Signature: _____ Date: _____
 Kuo-In Chen

Inventor's Signature: _____ Date: _____
 Calvin Choi

Inventor's Signature: _____ Date: _____
Qufei Chen

Inventor's Signature: _____ Date: _____
Ronald Wong

Inventor's Signature: _____ Date: _____
Kam Hong Lui

Inventor's Signature: _____ Date: _____
Robert Xu