

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ssu-I Fu</td> <td>12/06/2010</td> </tr> <tr> <td>I-Ming Tseng</td> <td>12/06/2010</td> </tr> <tr> <td>En-Chiuan Liou</td> <td>12/06/2010</td> </tr> <tr> <td>Cheng-Guo Chen</td> <td>12/06/2010</td> </tr> </tbody> </table>		Name	Execution Date	Ssu-I Fu	12/06/2010	I-Ming Tseng	12/06/2010	En-Chiuan Liou	12/06/2010	Cheng-Guo Chen	12/06/2010
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RECEIVING PARTY DATA											
Name:	UNITED MICROELECTRONICS CORP.										
Street Address:	No.3, Li-Hsin Road 2, Science-Based Industrial Park										
City:	Hsin-Chu City										
State/Country:	TAIWAN										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14023482</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14023482						
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CORRESPONDENCE DATA											
Fax Number:	7039974517										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Date:	09/11/2013										
Total Attachments: 2 source=1747202#page1.tif source=1747202#page2.tif											

CH \$40.00 14023482

**ASSIGNMENT OF INVENTION**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration.

**ASSIGNOR(S) (Inventors):**

Name: Ssu-I Fu Nationality: TW

Name: I-Ming Tseng Nationality: TW

Name: En-Chiuan Liou Nationality: TW

Name: Cheng-Guo Chen Nationality: TW

Hereby sells, assigns and transfers to

**ASSIGNEE(S):**

Name: UNITED MICROELECTRONICS CORP.

Address: No.3, Li-Hsin Road 2, Science-Based Industrial Park, Hsin-Chu City 300, Taiwan, R.O.C.

and the successors and assignees of the ASSIGNEE the entire right, title, and interest in and to any and all improvements which are disclosed in the invention entitled:

"SEMICONDUCTOR DEVICE HAVING METAL GATE AND MANUFACTURING METHOD THEREOF"

Which is found in :

- (a)  U.S. patent application executed on even date  
 (b) \_\_\_\_\_ U.S. patent application executed on \_\_\_\_\_  
 (c) \_\_\_\_\_ U.S. application serial no. \_\_\_\_\_  
 (d) \_\_\_\_\_ patent no. \_\_\_\_\_ issued \_\_\_\_\_

PATENT

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuations, continuation-in-part, divisions, renewals, substitutes, or extensions thereof, and as to Letters Patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the proposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this DEC 06 2010 (Date of signing). (請發明人務必簽署上列日期。)

(Type name of inventor)

Signature of INVENTOR

Ssu-I Fu

Ssu-I Fu

I-Ming Tseng

I-Ming Tseng

En-Chiuan Liou

En Chiuan Liou

Cheng-Guo Chen

Cheng Guo Chen