

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT														
NATURE OF CONVEYANCE:	Corrective Assignment to correct the 3rd assignor's last name previously recorded on Reel 017873 Frame 0377. Assignor(s) hereby confirms the 3rd assignor's last name should be HSIEH.														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Ying-Wen HUANG</td><td>04/10/2006</td></tr><tr><td>Chi-Kuen LO</td><td>04/10/2006</td></tr><tr><td>Lan-Chin HSIEH</td><td>04/10/2006</td></tr><tr><td>Der-Ray HUANG</td><td>04/10/2006</td></tr><tr><td>Yeong-Der YAO</td><td>04/10/2006</td></tr><tr><td>Jau-Jiu JU</td><td>04/10/2006</td></tr></tbody></table>		Name	Execution Date	Ying-Wen HUANG	04/10/2006	Chi-Kuen LO	04/10/2006	Lan-Chin HSIEH	04/10/2006	Der-Ray HUANG	04/10/2006	Yeong-Der YAO	04/10/2006	Jau-Jiu JU	04/10/2006
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RECEIVING PARTY DATA															
<table border="1"><tr><td>Name:</td><td>INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE</td></tr><tr><td>Street Address:</td><td>No. 195, Sec. 4, Chung-Hsing Rd.,</td></tr><tr><td>City:</td><td>Chu-Tung, Hsinchu,</td></tr><tr><td>State/Country:</td><td>TAIWAN</td></tr></table>		Name:	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	Street Address:	No. 195, Sec. 4, Chung-Hsing Rd.,	City:	Chu-Tung, Hsinchu,	State/Country:	TAIWAN						
Name:	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE														
Street Address:	No. 195, Sec. 4, Chung-Hsing Rd.,														
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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>11409212</td></tr></tbody></table>		Property Type	Number	Application Number:	11409212										
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Application Number:	11409212														
CORRESPONDENCE DATA															
Fax Number: (202)408-0924 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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ATTORNEY DOCKET NUMBER:	TAIW 566														
NAME OF SUBMITTER:	Steven M. Rabin														

PATENT

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REEL: 020750 FRAME: 0491

OP \$40.00 11409212

Total Attachments: 5

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04-27-2006

RECOI



ENT APPLICATION

NAME OF CONVEYIN

103226982 Ying-Wen HUANG

Chi-Kuen LO, Lan-Chin HSIEN,
Der-Ray HUANG, Yeong-Der YAO
and Jau-Jiu JU

NAME OF RECEIVING PARTY

INDUSTRIAL TECHNOLOGY
RESEARCH INSTITUTE

ADDRESS OF RECEIVING PARTY

No. 195, Sec. 4, Chung-Hsing Rd.,
Chu-Tung, Hsinchu,
Taiwan, R.O.C.

NATURE OF CONVEYANCE

Assignment of U.S. Patent Application

CONVEYANCE EXECUTION DATE(s)

April 10, 2006

PATENT APPLICATION NO.

To be assigned

PATENT APPLICATION FILING DATE

April 24, 2006

APPLICATION FILED TOGETHER
WITH THIS DOCUMENT

YES

APPLICATION EXECUTION DATE(s)

April 10, 2006

CORRESPONDENCE
ADDRESS

RABIN & BERDO, P.C.
1101 14th Street, N.W., Suite 500
Washington, DC 20005
(Customer No. 23995)

ATTORNEY REFERENCE

TAIW 566

TOTAL NUMBER OF PATENTS
AND APPLICATIONS INVOLVED

One

TOTAL FEE PAID

\$40.00

METHOD OF PAYMENT

☒ Enclosed
☐ Authorized to be charged to
deposit account

To the best of my knowledge and belief, the foregoing information is true and correct and
any attached copy is a true copy of the original document.

Robert H. Berdo, Jr. (Reg. No. 38,075)

RHB:QZ:scz

April 24, 2006

Date

Total number of pages including cover sheet, attachments and document: 3 Pages

112963 U.S. PTO
11/409212



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04/25/2006 RBIZJONES 00000066 11409212

40.00 DP

06 FC-8021

FEE ENCLOSED: \$2,340
Please charge any further
fee to our Deposit Account
No. 18-0002

PATENT

REEL: 020750 FRAME: 0493

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS (1) Ying-Wen HUANG(2)Chi-Kuen LO(3) Lan-Chin HSIEH(4)Der-Ray HUANG
(5) Yeong-Der YAO (6)Jau-Jiu JU

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to

SPIN TRANSISTOR AND MANUFACTURING METHOD THEREOF

[x] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[] said application having been filed in the United States Patent and Trademark Office on _____, authorization being hereby given to my attorneys, Steven M. Rabin, Robert H. Berdo, Jr., Phillip G. Avruch and Allen Wood of RABIN & BERDO, P.C., 1101 14th Street, N.W., Suite 500, Washington, D.C. 20005, to insert here in parentheses (Application Serial No. _____) the application serial number of said application when known;

[] said application having been filed under the Patent Cooperation Treaty on _____, (Serial No. _____)the United States of America being designated.

AND WHEREAS INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE

who's address is No. 195, Sec. 4, Chung-Hsing Rd., Chu-Tung, Hsinchu, Taiwan, R. O. C.

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

<u>Ying-Wen HUANG</u>	<u>Ying-Wen Huang</u>	<u>April 10, 2006</u>
Name of sole or first inventor	Signature	Date
<u>Chi-Kuen LO</u>	<u>C. Kuen L.</u>	<u>April 10, 2006</u>
Name of second inventor, if any	Signature	Date
<u>Lan-Chin HSIEH</u>	<u>Lan-Chin HSIEH</u>	<u>April 10, 2006</u>
Name of third inventor, if any	Signature	Date

Der-Ray HUANG

Name of forth inventor, if any

Der-Ray Huang
Signature

April 10, 2006
Date

Yeong-Der YAO

Name of fifth inventor, if any

Yeong-Der Yao
Signature

April 10, 2006
Date

Jau-Jiu JU

Name of sixth inventor, if any

Jau-Jiu Ju
Signature

April 10, 2006
Date