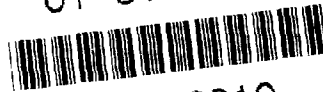


FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

01-31-2002



101966810

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

# RECORDATION FORM COVER SHEET **PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

## Submission Type

- ☒ New *1.22.02*
- ☐ Resubmission (Non-Recordation)  
Document ID#
- ☐ Correction of PTO Error  
Reel #  Frame #
- ☐ Corrective Document  
Reel #  Frame #

## Conveyance Type

- ☒ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other
- U.S. Government**  
(For Use ONLY by U.S. Government Agencies)
- ☐ Departmental File ☐ Secret File

J1046 U.S. PTO  
10/09/1136  
01/22/02

## Conveying Party(ies)

☒ Mark if additional names of conveying parties attached Execution Date  
Month Day Year

Name (line 1)  1/11/2002

Name (line 2)

## Second Party

Name (line 1)  Execution Date  
Month Day Year

Name (line 2)

## Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1)  If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United  
States, an appointment  
of a domestic  
representative is attached.  
(Designation must be a  
separate document from  
Assignment)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

Zip Code

## Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

01/25/2002 WABDELRI 00000008 10051136

04 FC:581

40.00 DP

FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**PATENT**  
**REEL: 012517 FRAME: 0650**

**Correspondent Name and Address**

Area Code and Telephone Number **410-465-6678**

Name **Morton J. Rosenberg**

Address (line 1) **Rosenberg, Klein & Lee**

Address (line 2) **3458 Ellicott Center Drive, Suite 101**

Address (line 3) **Ellicott City, MD 21043**

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

# **1**

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

<b>10/05/136</b>						

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
**1/11/2002**

**Patent Cooperation Treaty (PCT)**

Enter PCT application number

only if a U.S. Application Number has not been assigned.

PCT  PCT  PCT   
PCT  PCT  PCT

**Number of Properties**

Enter the total number of properties involved.

# **1**

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ **40.00**

Method of Payment:

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Enclosed ☒

Deposit Account ☐

Deposit Account Number:

# **18-2011**

Authorization to charge additional fees:

Yes

☒

No

☐

**Statement and Signature**

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. Charges to deposit account are authorized, as indicated herein.

**Morton J. Rosenberg**

Name of Person Signing

Signature

Date

**18 Jan 2002**

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

PTO  
J1046 U.S. PTO  
10/05/1136

01/22/02

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Execution Date  
Month Day Year

Name (line 1) Hung-I Wang

1/11/2002

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

Name (line 1)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)



# ASSIGNMENT DEEM

This Assignment agreement is applicable to an invention entitled (invention title) APPARATUS AND METHOD FOR BALANCING CHANNEL CURRENTS IN A MULTI-PHASE DC-TO-DC CONVERTER

The PATENT RIGHTS referred to in this agreement are:

- (Check one) ☒ a Patent Application for this invention, executed by the ASSIGNOR(s) concurrently with this Assignment  
☐ U.S. Patent Application Serial No. \_\_\_\_\_, filed \_\_\_\_\_  
☐ U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_

The PATENT RIGHTS assigned under this agreement are:

- (check one) ☐ U.S. Patent rights only  
☒ worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date any U.S. Patent Application identified above.

The ASSIGNOR(s) referred to in this agreement is (or are):

(Full name of first assignor) Jing-Meng Liu

(Address) 6F1-1, No. 15, Lane 145, Baushan Rd., Hsinchu, Taiwan 300, R.O.C.

(Full name of second assignor, if any) Liang-Pin Tai

(Address) No. 411, Shaluen Tsuen, Gueiren Shiang, Tainan, Taiwan 711, R.O.C.

(Full name of third assignor, if any) Hung-I Wang

(Address) No. 46, Mingde St., Yuanlin Jen, Changhua, Taiwan 510, R.O.C.

(Full name of fourth assignor, if any) \_\_\_\_\_

(Address) \_\_\_\_\_

The First ASSIGNEE referred to in this agreement is:

(Name of Assignee) RICHTEK TECHNOLOGY CORP.

(Address of Assignee) 6F, No. 35, Hsintai Road, Chupei City, Hsinchu, 310 Taiwan R.O.C.

The Second ASSIGNEE referred to in this agreement is:

(Name of assignee) \_\_\_\_\_

(Address of Assignee) \_\_\_\_\_

The First ASSIGNEE is:

- (Check one) ☐ an individual  
☐ a partnership  
☒ a Corporation of Taiwan, R.O.C.

(State or Country)

The Second ASSIGNEE is:

- (Check one) ☐ an individual  
☐ a partnership  
☐ a Corporation of \_\_\_\_\_

(State or Country)

☐ Additional assignees are being named on separately numbered sheets attached hereto.

The ASSIGNOR(s), in consideration of \$1.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; their successors and assigns:

the full and exclusive right to the invention;

an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all

continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications;

and the right to claim priority under 35 U.S.C. 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(s) hereby authorize(s) and requests the Director of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(s) as the ASSIGNEE(s) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(s), their successors and assigns.

Further, the ASSIGNOR(s) agree(s) to communicate to said ASSIGNEE(s), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal, reexamination, and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(s), made all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(s), their successors and assigns, to obtain and enforce proper protection for said invention.

Jing-Meng Liu

(Signature of sole or first assignor) Jing-Meng Liu

January 11, 2002

(Date)

Liang-Pin Tai

(Signature of second assignor, if any) Liang-Pin Tai

January 11, 2002

(Date)

Hung-I Wang

(Signature of third assignor, if any) Hung-I Wang

January 11, 2002

(Date)

(Signature of fourth assignor, if any)

(Date)