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

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Ronald W. Call J. Robert Dees  
Shizuo Ogura Donald K. Simmons  
Xiangyun Wei

11-13-02

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

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 9/25, 9/26, 9/29, 10/8, 2002

## 2. Name and address of receiving party(ies)

Name: Celgard Inc.

Internal Address: \_\_\_\_\_

Street Address: 13800 South Lakes Drive

City: Charlotte State: NC Zip: 28273

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

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)  
10/225,018

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert H. Hammer III

Internal Address: Robert H. Hammer III, P.C.

Street Address: 3121 Springbank Lane, Suite I

City: Charlotte State: NC Zip: 28226

6. Total number of applications and patents involved: ☐ 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

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## 9. 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.

Robert H. Hammer III

Name of Person Signing

Signature

Date

11/7/02

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

3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
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PATENT  
REEL: 013488 FRAME: 0410

# ASSIGNMENT

Docket No. 2000.44A  
Serial No. 10/225,018  
Filed: August 21, 2002

WHEREAS, UNDERSIGNED

Ronald W. Call; J. Robert Dees; Shizuo Ogura; Donald K. Simmons; and Xiangyun Wei

citizens of the United States of America; United States of America; Japan; United States of America; and People's Republic of China; respectively; residing at

2261 BlueRidge Way, Rock Hill, South Carolina 29732, USA;  
2301 Lynbridge Drive, Charlotte, North Carolina 28270, USA;  
9932 Ridgemore Drive, Charlotte, North Carolina 28277, USA;  
2026 East 9th Street, Charlotte, North Carolina 28204, USA; and  
17311 Brightstone Court, Charlotte, North Carolina 28277, USA

have invented certain new and useful improvements (INVENTION) disclosed, shown, and described in an APPLICATION for Letters Patent of the United States entitled

**"BATTERY SEPARATOR"**

Docket No. 2000.44A, said APPLICATION having been filed on August 21, 2002, and

WHEREAS, by virtue of a pre-existing obligation of assignment, the UNDERSIGNED have been under a continuous obligation since prior to the invention of the subject matter of the said APPLICATION to assign the said APPLICATION to Celgard Inc., and

WHEREAS, Celgard Inc., a corporation of Delaware, USA, having an office at 13800 South Lakes Drive, Charlotte, North Carolina 28273, USA (ASSIGNEE) is desirous of acquiring the entire right, title and interest in and to the INVENTION, in this and any foreign country, and in and to any Letters Patent of the United States or any foreign country which may be granted embracing the INVENTION.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, UNDERSIGNED by these presents, sells, assigns and transfers unto ASSIGNEE, its legal representatives, successors, and assigns, the entire right, title and interest for the United States and all foreign countries, in and to the INVENTION, and in and to the said APPLICATION, and in and to any applications for Letters Patent which have been or may be filed in any foreign country on said INVENTION, and in and to any and all priority rights generated by the filing of said APPLICATION in the United States or any foreign country, which may be granted covering the INVENTION, including any continuations, substitutions, divisions, reissues, or renewals thereof, said Letters Patent whether of this country or any foreign country to be held and enjoyed by ASSIGNEE for its interest, for its own use and behalf, and for its legal representatives, successors, and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by UNDERSIGNED had this assignment and sale not been made.

THE UNDERSIGNED covenant not to have executed and will not execute any agreement in conflict with this assignment.

IN WITNESS WHEREOF this assignment has been executed by UNDERSIGNED on the date opposite his name.

Date 9/26/02 Ronald W. Call (LS)  
RONALD W. CALL

Date 9/26/02 J. Robert Dees (LS)  
J. ROBERT DEES

Date 10/8/02 Shizuo Ogura (LS)  
SHIZUO OGURA

Date 9/29/02 Donald K. Simmons (LS)  
DONALD K. SIMMONS

Date 9/25/02 Xiangyun Wei (LS)  
XIANGYUN WEI

State of North Carolina )

County of Mecklenburg )

On 9/26, 9/29, 9/25, 10/8, 2002 before me a Notary Public in and for the county and state aforesaid, appeared RONALD W. CALL, J. ROBERT DEES, SHIZUO OGURA, DONALD K. SIMMONS, and XIANGYUN WEI to me personally known to be the same persons whose names are subscribed to the foregoing instrument, and acknowledged that they executed said instrument as their free and voluntary act, and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Chintan W. Sanyal  
Notary Public

My Commission Expires:

10/26/2002

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