

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2771525

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
	Name	Execution Date	
	BOGYEOL HARN	03/14/2014	
	DAVID P. BOURCIER	03/14/2014	
	ALAN H. FREEMAN	03/13/2014	
RECEIVING PARTY DATA			
Name:	CELGARD, LLC		
Street Address:	13800 SOUTH LAKES DRIVE		
City:	CHARLOTTE		
State/Country:	NORTH CAROLINA		
Postal Code:	28273		
PROPERTY NUMBERS Total: 1			
	Property Type	Number	
	Application Number:	14205849	
CORRESPONDENCE DATA			
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Address Line 4:	CHARLOTTE, NORTH CAROLINA 28226		
ATTORNEY DOCKET NUMBER:	2000.309		
NAME OF SUBMITTER:	ROBERT H. HAMMER III		
SIGNATURE:	/robert h hammer iii/		
DATE SIGNED:	03/17/2014		
Total Attachments: 2			
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ASSIGNMENT

Docket No. 2000.309
Serial No. 14/205,849
Filed: March 12, 2014

WHEREAS, UNDERSIGNED

- 1) **Bogyeol Harn**, a citizen of South Korea
- 2) **David P. Bourcier**, a citizen of the United States of America
- 3) **Alan H. Freeman**, a citizen of the United States of America

residing at

- 1) 2025 Groves Edge Lane, Waxhaw, North Carolina 28173, US
- 2) 72 Bridle Road, Ludlow, Massachusetts 01056, US
- 3) 5640 Birchhill Road, Charlotte, North Carolina 28227, US

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

"METHOD AND SYSTEM FOR OPTICAL CAMBER MEASUREMENT OF FLAT SHEET MEMBRANES, FILMS, AND WEBS"

Docket No. 2000.309, said APPLICATION having been filed on March 12, 2014, 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, LLC**, and

WHEREAS, **Celgard, LLC**, a limited liability company of Delaware, US, having an office at 13800 South Lakes Drive, Charlotte, North Carolina 28273, US (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.

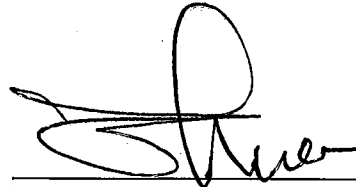
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, UNDERSIGNED by these presents, sells, assigns and transfers unto ASSIGNEE, its legal representatives, successors, and assigns, the entire right, title and interest for the United States and all foreign countries, 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 their name.

Date 3/14/2014



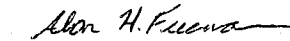
Bogyool Harn

Date 3/14/2014



David P. Bourcier

Date March 13, 2014



Alan H. Freeman

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