# 506150767 07/13/2020 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6197499

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYA	NCE:	ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
DAVID W. AVISON			06/04/2014		
SHREYANS SHINGI			06/09/2014		
CHANDRAKANT C. PA	TEL		06/10/2014		
CHARLES R. COMEAU	JR.		06/05/2014		
SAMUEL LIM		06/09/2014			
RECEIVING PARTY DA	ATA				
Name:	MADIC	MADICO, INC.			
Street Address:	64 IND	64 INDUSTRIAL PARKWAY			
City:	WOBUI	WOBURN			
State/Country:	MASSA	MASSACHUSETTS			
Postal Code:	01801				
PROPERTY NUMBERS Property Type		Number			
Application Number:		16927435			
CORRESPONDENCE [	ΔτΔ				
Fax Number:		(212)336-8001			
Correspondence will b	e sent to	the e-mail address first; if that is u			
•	-	l; if that is unsuccessful, it will be s	sent via US Mail.		
Phone: Email:		212-336-8000 PTODOCKET@ARELAW.COM			
Correspondent Name:		AMSTER, ROTHSTEIN & EBENSTEIN LLP			
		90 PARK AVENUE			
•		90 PARK AVENUE			
Address Line 1: Address Line 4:		90 PARK AVENUE NEW YORK, NEW YORK 10016			
Address Line 1: Address Line 4:					
Address Line 1: Address Line 4: ATTORNEY DOCKET N	UMBER:	NEW YORK, NEW YORK 10016			
Address Line 1:	UMBER:	NEW YORK, NEW YORK 10016 65213/100			
Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER:	UMBER:	NEW YORK, NEW YORK 10016 65213/100 DEXTER T. CHANG			
Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER: SIGNATURE:	UMBER:	NEW YORK, NEW YORK 10016 65213/100 DEXTER T. CHANG /Dexter T. Chang/			

source=assignment (Inventors to Madico)#page2.tif	
source=assignment (Inventors to Madico)#page3.tif	
source=assignment (Inventors to Madico)#page4.tif	
source=assignment (Inventors to Madico)#page5.tif	
source=assignment (Inventors to Madico)#page6.tif	
source=assignment (Inventors to Madico)#page7.tif	
source=assignment (Inventors to Madico)#page8.tif	
source=assignment (Inventors to Madico)#page9.tif	
source=assignment (Inventors to Madico)#page10.tif	

WHEREAS, I, David W. Avison, residing at 17 Pheasant Ridge Road, Townsend, Massachusetts, 01469, made certain new and useful inventions and improvements for which I filed the PCT International Application entitled NANOPOROUS COMPOSITE SEPARATORS WITH INCREASED THERMAL CONDUCTIVITY, the specification of which was filed on April 29, 2014, as PCT International Application No. PCT/US14/35947;

AND WHEREAS, Madico, Inc., a corporation organized and existing under and by virtue of the laws of the Commonwealth of Massachusetts, doing business at 64 Industrial Parkway, Woburn, Massachusetts 01801 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor.

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns;

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be;

IN TESTIMONY WHEREOF, I have b	ereunto set my hand this $4^{-1}$ day of
<u>June</u> , 2014.	David W. Avison
COMMONWEALTH OF MASSACAUSETTS	

COUNTY OF MIDDLESEX

On this  $\underline{\mathscr{I}}_{\underline{\mathsf{M}}}$  day of  $\underline{\mathsf{J}}_{\underline{\mathsf{M}}} \underbrace{\mathsf{N}}_{\underline{\mathsf{N}}}$ , 2014 before me personally appeared <u>David W</u>. Avison, to me known and known to me to be the person described in and who executed the foregoing

Avison, to me known and known to me to be the person desended in this who electron and integration instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

ELIZABETH E. O'NEIL Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires March 27, 2020

WHEREAS, I, Shreyans Shingi, residing at 199 Aiken Ave, Apt #23, Lowell, Massachusetts, 01850, made certain new and useful inventions and improvements for which I filed the PCT International Application entitled NANOPOROUS COMPOSITE SEPARATORS WITH INCREASED THERMAL CONDUCTIVITY, the specification of which was filed on April 29, 2014, as PCT International Application No. PCT/US14/35947;

AND WHEREAS, Madico, Inc., a corporation organized and existing under and by virtue of the laws of the Commonwealth of Massachusetts, doing business at 64 Industrial Parkway, Woburn, Massachusetts 01801 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor.

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns;

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be;

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of
June 2014.
Shreyans Shingi
COMMONWEALTH OF Massachunte
COUNTY OF Middlesex
On this day of, 2014 before me personally appeared Shreyans
Shingi, to me known and known to me to be the person described in and who executed the foregoing
instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes
therein set forth. [SEAL] ELIZABETH E. O'NEIL Nolary Public COMMONWEALTH OF MASSACHUSETTS MU COMMONWEALTH OF MASSACHUSETTS
[SEAL] My Commission Expires March 27, 2020 Notary Public

WHEREAS, I, Chandrakant C Patel, residing at 34 Sunset Drive, Burlington, Massachusetts, 01803, made certain new and useful inventions and improvements for which I filed the PCT International Application entitled NANOPOROUS COMPOSITE SEPARATORS WITH INCREASED THERMAL CONDUCTIVITY, the specification of which was filed on April 29, 2014, as PCT International Application No. PCT/US14/35947;

AND WHEREAS, Madico, Inc., a corporation organized and existing under and by virtue of the laws of the Commonwealth of Massachusetts, doing business at 64 Industrial Parkway, Woburn, Massachusetts 01801 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor.

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns;

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be;

~	IN TESTIMONY WH	IEREOF, I hav	e hereunto s	set my h	and this	10 day	y of	
June	, 2014.							
		-1	Ň	Δ	$\wedge$	and the second	PO	<u>`</u> ^

rendrehed - Keld

Chandrakant C Patel

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF MIDDLESEX

On this 10 day of 1000, 2014 before me personally appeared <u>Chandrakant</u> <u>C Patel</u>, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



WHEREAS, I. Charles R. Comeau, Jr., residing at 37 Drumlin Hill Rd, Groton, Massachusetts, 01450, made certain new and useful inventions and improvements for which I filed the PCT International Application entitled NANOPOROUS COMPOSITE SEPARATORS WITH INCREASED THERMAL CONDUCTIVITY, the specification of which was filed on April 29, 2014, as PCT International Application No. PCT/US14/35947;

AND WHEREAS, Madico, Inc., a corporation organized and existing under and by virtue of the laws of the Commonwealth of Massachusetts, doing business at 64 Industrial Parkway, Woburn, Massachusetts 01801 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor.

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns;

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be;

PATENT REEL: 053292 FRAME: 0038

IN TESTIMONY WHEN	REOF, I have hereunto set my hand this $\int day$ of
<u> </u>	
	Charles R. Comeau, Jr.
COMMONWEALTH OF	ACHUSCITIS

COUNTY OF MIDDLESEX

On this  $\leq$  day of  $\leq$   $\leq$   $\leq$   $\leq$  2014 before me personally appeared <u>Charles R.</u> <u>Comeau, Jr.</u>, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Xaldel S

Notary Public



WHEREAS, I, Samuel Lim, residing at 90 Garfield Ave, Lynn, Massachusetts, 01905, made certain new and useful inventions and improvements for which 1 filed the PCT International Application entitled NANOPOROUS COMPOSITE SEPARATORS WITH INCREASED THERMAL CONDUCTIVITY, the specification of which was filed on April 29, 2014, as PCT International Application No. PCT/US14/35947;

AND WHEREAS, Madico, Inc., a corporation organized and existing under and by virtue of the laws of the Commonwealth of Massachusetts, doing business at 64 Industrial Parkway, Woburn, Massachusetts 01801 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor.

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and all Letters Patent of foreign countries which may be granted there from; and all Letters Patent of foreign countries which may be granted there from; and all Letters Patent of foreign countries which may be granted there from; and all Letters Patent of the aforesaid inventions and improvements to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns;

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be;

PATENT REEL: 053292 FRAME: 0060

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of
June, 2014. Samuelt
Samuel Lim
COMMONWEALTH OF Massachurgette
COUNTY OF Mrd flades
On this day of, 2014 before me personally appeared <u>Samuel Lim.</u> to
me known and known to me to be the person described in and who executed the foregoing instrument,
and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set
forth. ELIZABETH E. O'NEIL Notary Public commonwealth of massachusetts My Commission Expires
[SEAL] W Commission Expires March 27, 2020 Notary Public

RECORDED: 02/03/2026