04/11/2018 504862508

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4909247

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN E. BACINO	11/28/2012
CAREY V. CAMPBELL	11/28/2012
EDWARD H. CULLY	11/28/2012
JEFFREY B. DUNCAN	11/28/2012
DOUGLAS S. PAGET	11/27/2012
JOHN M. SQUERI	11/27/2012
BENJAMIN M. TRAPP	12/03/2012
MICHAEL J. VONESH	12/04/2012
EDWARD E. SHAW	02/18/2013

RECEIVING PARTY DATA

Name:	W. L. GORE & ASSOCIATES, INC.
Street Address:	555 PAPER MILL ROAD,
City:	NEWARK
State/Country:	DELAWARE
Postal Code:	19711

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15645176

CORRESPONDENCE DATA

Fax Number: (202)585-0046

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Phone: 404-815-6500

Email: nito@kilpatricktownsend.com

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Address Line 2: MAILSTOP: IP DOCKETING - 22 Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	MP/389US02 (1053608)
NAME OF SUBMITTER:	NANA ITO

PAIENI REEL: 045501 FRAME: 0130 504862508

SIGNATURE:	/Nana Ito/
DATE SIGNED:	04/11/2018
Total Attachments: 8	
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PATENT REEL: 045501 FRAME: 0131

Attorney Docket No.: MP/389

Page 1 of 4

ASSIGNMENT

WHEREAS, We John E. Bacino, residing in Landenberg PA, US, Carey V. Campbell residing in Flagstaff, AZ, US, Edward H. Cully residing in Flagstaff, AZ, US, Jeffrey B. Duncan residing in Flagstaff, AZ, US, Douglas S. Paget residing in Flagstaff, AZ, US, Edward E. Shaw residing in Flagstaff, AZ, US, John M. Squeri resinding in Downington, PA, Benjamin M. Trapp residing in Flagstaff, AZ, US, Michael J. Vonesh residing in Flagstaff, AZ, US, citizens of the United States of America, as assignors have made an invention entitled <u>BALLOON</u>
<u>ASSEMBLIES HAVING CONTROLLABLY VARIABLE TOPOGRAPHIES</u>, for which We have executed an application for United States Letters Patent; and

WHEREAS, W. L. Gore & Associates, Inc., a corporation of Delaware, whose post office address is 555 Paper Mill Road, P.O. Box 9329, Newark, Delaware 19714, as assignee, is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW, THEREFORE, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, We as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, our entire rights, titles, and interests in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue Patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, We hereby covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, We hereby further covenant and agree that We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceedings, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue application, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the testifying and execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of, 2012.	
County of (OCON)NO)	
County of Coconino) State of Arizona ss:	
State of HILLOTON	
Subscribed and sworn to before me this <u>May of November</u> ,	2012
- Sudantone	
Notary Public State of Arizona Coconino County Susan Howe My Commission Expires 06/26/2014	
IN TESTIMONY WHEREOF, I have hereunto set my hand this <u>28</u> day of <u>Nov</u> , 2012.	
(augl. Lall	
Caref V. Campbell County of Coconino)	
) ss: State of Arizona) .	
State of Arizona)	
Subscribed and sworn to before me this 28th day of November,	2012
Notary Public State of Arizona Coconino County Lori Ann Garlant My Commission Expires 04/05/2016	
IN TESTIMONY WHEREOF, I have hereunto set my hand this _28 TH day of, 2012.	
- Edward Cally	
Edward H. Cully \(\) County of Coconino \()	
State of Arizona) ss:	
Subscribed and sworn to before me this 28 day of 1000 day of 1000 day of 1000	2012
- Julasen	
Notary Public State of Arizona Coconino County Susan Howe My Commission Expires 06/28/2014	

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28th day of November 2012.	
Jeffrey B Duncan	ar."
County of Coconino) ss:	
State of Arizona)	
Subscribed and sworn to before me this abday of Accombed,	2012
Notary Public State of Arizona Coconino County Susan Howe My Commission Expires 08/26/2014	
IN TESTIMONY WHEREOF, I have hereunto set my hand this 27th day of Norcember, 2012.	
County of Coconino)	
) ss: State of Arizona)	
Subscribed and sworn to before me this 27 day of NoVember An Ann State of Arizona Coconino County Lori Ann Garlant My Commission Expires 04/05/2016	2012
IN TESTIMONY WHEREOF, I have hereunto set my hand this 18 day of LOSIZUATE 1 2012: 13 Edward E. Shaw	
County of Coconino) ss:	
State of Arizona)	
Subscribed and sworn to before me this gday of February.	2012
Notary Public State of Arizona Coconino County Lori Ann Garlant My Commission Expires 04/05/2016	

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of, 2012.	
John M. Squeri County of)	
) ss: State of)	
Subscribed and sworn to before me this day of	, 2012
Notary Public	
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of, 2012.	
Bernjarpin M. Trapp County of Coconino)	
) ss: State of Arizona)	
Subscribed and sworn to before me this 3 day of December	2012
Notary Public State of Arizona Coconino County Lori Ann Garlant My Commission Expires 04/05/2016 Notary Public Notary Public Notary Public	;
NTESTIMONY WHEREOF, I have hereunto set my hand this day of	
De comper , 2012. Puchaef 1. Voneoh	•
County of Coconino) Michael J. Vonesh	
State of Arizona) ss:	
Subscribed and sworn to before me this day of beember	, 2012
Notary Public State of Arizona Coconino Countly Lori Ann Garlant My Commission Expires 04/05/2016	

Attorney Docket No.: MP/389 Page 1 of 4

ASSIGNMENT

WHEREAS, We John E. Bacino, residing in Landenberg PA, US, Carey V. Campbell residing in Flagstaff, AZ, US, Edward H. Cully residing in Flagstaff, AZ, US, Jeffrey B. Duncan residing in Flagstaff, AZ, US, Douglas S. Paget residing in Flagstaff, AZ, US, Edward E. Shaw residing in Flagstaff, AZ, US, John M. Squeri resinding in Downington, PA, Benjamin M. Trapp residing in Flagstaff, AZ, US, Michael J. Vonesh residing in Flagstaff, AZ, US, citizens of the United States of America, as assignors have made an invention entitled <u>BALLOON</u>
<u>ASSEMBLIES HAVING CONTROLLABLY VARIABLE TOPOGRAPHIES</u>, for which We have executed an application for United States Letters Patent; and

WHEREAS, W. L. Gore & Associates, Inc., a corporation of Delaware, whose post office address is 555 Paper Mill Road, P.O. Box 9329, Newark, Delaware 19714, as assignee, is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW, THEREFORE, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, We as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, our entire rights, titles, and interests in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue Patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, We hereby covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, We hereby further covenant and agree that We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceedings, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue application, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the testifying and execution of such papers shall be borne by the assignee, its successors and assigns.

Page 2 of 4

		_
County of)	John E. Bacino	-
County of) ss: State of)		
	this day of	_, 2012
	Notary Public	_
IN TESTIMONY WHEREOF, I have ,2012.	hereunto set my hand this day of	
County of Coconino)) ss: State of Arizona)	Carey V. Campbell	_
Subscribed and sworn to before me	thisday of	_, 2012
	Notary Public	
IN TESTIMONY WHEREOF, I have, 2012.	hereunto set my hand this day of	
County of Coconino)) ss: State of Arizona)	Edward H. Cully	_
Subscribed and sworn to before me	this day of	, 2012

	0040	e nereunto set my nand this day of	
County of Coconino State of Arizona Subscribed and swo)) ss:) orn to before me	Jeffrey B. Duncan	, 2012
		Notary Public	-
IN TESTIMONY W		e hereunto set my hand this day of	
County of Coconino State of Arizona)) ss:)	Douglas S. Paget	
Subscribed and swo	orn to before me	thisday of	, 2012
		Notary Public	_
IN TESTIMONY W	HEREOF, I have ,2012.	e hereunto set my hand this day of	
County of Coconino State of Arizona)) ss:)	Edward E. Shaw	
Subscribed and swo	orn to before me	this day of	, 2012
		Notary Public	arkenson

Page 4 of 4

IN TESTIMONY WHEREOF, I have	hereunto set my hand this 2 / day of	
,2012.	John M. Squar	
County of Secrete)	John M. Squeri	
State of <u>Sections</u>) ss:		
Subscribed and sworn to before me t	his 21 day of November	, 2012
	Notary Public Commence Equies &	
IN TESTIMONY WHEREOF, I have,2012.	hereunto set my hand this day of	
Country of Congression	Benjamin M. Trapp	
County of Coconino) ss:		
State of Arizona)		
Subscribed and sworn to before me t	his day of	, 2012
	Notary Public	
IN TESTIMONY WHEREOF, I have,2012.	hereunto set my hand this day of	
County of Coconino)	Michael J. Vonesh	
) ss:	•	
State of Arizona)		
Subscribed and sworn to before me t	this day of	, 2012
	Notary Public	

PATENT REEL: 029802 FRAME: 0589

RECORDED: 02/20/2018