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PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT			
CONVEYING PARTY	DATA					
		Name	Execution Date			
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State/Country:	JAPAN					
Property Type	e l	Number				
Property Type Application Number:		Number 15156411				
Application Number:						
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Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will</i> <i>using a fax number, i</i> Phone: Email:	DATA be sent to if provided	15156411 (202)822-1111 • <i>the e-mail address first; if that is uns</i> <i>I; if that is unsuccessful, it will be sen</i> 2028221100 PatentMail@Whdapatentlaw.com	t via US Mail.			
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Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2:	DATA be sent to if provided	15156411 (202)822-1111 a the e-mail address first; if that is uns b; if that is unsuccessful, it will be sen 2028221100 PatentMail@Whdapatentlaw.com WESTERMAN, HATTORI, DANIELS & A 1250 CONNECTICUT AVENUE NW, SUITE 700	t via US Mail.			
Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	DATA be sent to if provided	15156411 (202)822-1111 (202)822-1111 (202)822-1111 (202)822-1100 PatentMail@Whdapatentlaw.com WESTERMAN, HATTORI, DANIELS & A 1250 CONNECTICUT AVENUE NW, SUITE 700 WASHINGTON,, D.C. 20036	t via US Mail.			
Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET N	DATA be sent to if provided	15156411 (202)822-1111 (202)822-1111 (202)822-1111 (202)822-1100 PatentMail@Whdapatentlaw.com WESTERMAN, HATTORI, DANIELS & A 1250 CONNECTICUT AVENUE NW, SUITE 700 WASHINGTON,, D.C. 20036 P160314US00	t via US Mail.			
Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET I NAME OF SUBMITTER	DATA be sent to if provided	15156411 (202)822-1111 (202)822-1111 (202)822-1111 (202)822-1100 PatentMail@Whdapatentlaw.com WESTERMAN, HATTORI, DANIELS & A 1250 CONNECTICUT AVENUE NW, SUITE 700 WASHINGTON,, D.C. 20036 P160314US00 TORREY WYATT	t via US Mail.			
Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE:	DATA be sent to if provided	15156411 (202)822-1111 (202)822-1111 (202)822-1111 (2028221100 PatentMail@Whdapatentlaw.com WESTERMAN, HATTORI, DANIELS & A 1250 CONNECTICUT AVENUE NW, SUITE 700 WASHINGTON,, D.C. 20036 P160314US00 TORREY WYATT /TORREY WYATT/	t via US Mail.			
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Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER SIGNATURE:	DATA be sent to if provided	15156411 (202)822-1111 (202)822-1111 (202)822-1111 (2028221100 PatentMail@Whdapatentlaw.com WESTERMAN, HATTORI, DANIELS & A 1250 CONNECTICUT AVENUE NW, SUITE 700 WASHINGTON,, D.C. 20036 P160314US00 TORREY WYATT /TORREY WYATT/	t via US Mail. ADRIAN LLP			

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Verification of Translation

I, <u>Ken-Ichi Hattori</u>, do hereby declare that I am knowledgeable in the English language and in Japanese language, and that I believe the English language in the foregoing Declaration is a full and faithful translation of the Japanese language of the document. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of verifier: Name of verifier: Post office address of verifier:

Date of signature:

Mr. Ken-Ichi Hattori 1250 Connecticut Ave N.W. Suite 700 Washington DC 20036 USA January 2, 2014

Westerman, Hattori, Daniels & Adrian, LLP

Docket No .:

Combined Declaration and Assignment for Utility and Design Patent Applications

特許及びデザイン特許出願用の譲渡書付き宣言書

Japanese Language Declaration and Assignment 日本語該渡書付き宣言書

DECLARATION 宣言書

私は、以下に記名された発明者として、ここに下記の 通り宣言する:

As a below named inventor, I hereby declare that:

私は、下記の名称の発明について、特許請求範囲に記 載され、且つ特許が求められている発明主題の真の発 明者であるか、或いは真の共同発明者であると信じて いる。

I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

発明の名称を英語で記入:

Insert Title:

Polymer, Monomer, Resist Composition, and Patterning Process

上記発明の出願(明細書及び図面)は下記の欄がチェ ックされている場合を除き、ここに添付されている

□_____日に米国出願番号____として出 願され、そして____日に PCT 国際出願番号 ____として出願され且つ____日に補正された出 願(補正があった場合)

上記出願は、私が作成したものか、あるいは私がその 作成を認めたものである。

私は、この宣言書において故意に偽りを述べた場合、 合衆国法典第18巻第1001条に基づき、罰金あるいは5 年以下の懲役、または両方の懲罰が課され得ることを 認識している。 the application of which is attached hereto unless the following is checked

was filed on	as United States Application		
Number	and was filed on	as PCT	
International Applic	ation Number	and was	
amended on	(if applicable).		

The above-identified application was made or authorized to be made by me.

I hereby acknowledge that any willful false statement made in this declaration is punishable under section 1001 of title 18 by fine or imprisonment of not more than 5 years, or both.

ASSIGNMENT 譲渡書

下記の者(以下、譲受人)によって提供され、そして その適切性と受領は下記に署名した発明者(達)(以 下、譲渡人)によって承認された、適正で価値のある 対価をもって、

譲受人名/住所:

FOR GOOD AND VALUABLE CONSIDERATION, the adequacy and receipt of which is hereby acknowledged by the undersigned inventor(s) (hereinafter ASSIGNOR) by

Insert Assignee(s)Name/Address:

Shin-Etsu Chemical Co., Ltd. of 6-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo, Japan

ここに、下記に署名をした譲渡人は、上記出願(例、 仮出願又は通常の出願)の全ての且つ排他的な権利、 権限、利権を譲受人に売却・譲渡・移転し、上記出願或 いはその継続,分割,代替,再発行,再審査,補足審 査,当事者系レヴュー,登録後レヴュー,その他の手 続によって得られる全ての米国特許をその全期間又は 許可された期間をもって譲渡する。

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The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue, reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination, supplemental examination, inter partes review, post grant review, or other procedures thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

Docket No.:

譲渡人は、合衆国及び合衆国以外の外国の全ての国に おいて開示されている出願及び発明の全ての且つ排他 的な権利及び権限及び利権を、譲受人に売却・譲渡・移 転し、譲受人の名前でそのような手続を適切な国々へ 特許出願する事を譲受人に認め、国際条約の基で優先 権を主張する事を認め、当該特許の出願及び継続,分 割,代替,再発行または再審査,補足審査,当事者系 レヴュー,登録後レビュー,その他の手続に係わる全 ての必要書類を作成すること及び、譲受人が必要また は便宜的であると考える場合は、当該出願に係わる別 の譲渡書を作成する事に同意する。

ここに、下記の署名者により、その名の横に記載された日に署名された:

The ASSIGNOR sells, assigns and transfers to said ASSIGNEE the entire and exclusive right, title and interest to the application(s) and the invention(s) disclosed therein for the United States of America and all countries foreign to the United States and do hereby authorize said ASSIGNEE to apply for patents therefore in its own name in countries where such procedure is proper and to claim the priority right under the International Convention and agrees to execute all papers necessary in connection with applications for such patents and any continuation, divisional, substitute, reissue or reexamination applications, supplemental examination, inter partes review, post grant review, or other procedures thereof and also execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

Hereby executed by the undersigned on the date opposite the undersigned name:

発明者の正式な氏名		Legal Name of Inventor: Masayoshi SAGEHASHI	
発明者の署名	日付	Signature Masayoshi Sagehashi	Date April 22, 2016
発明者の正式な氏名		Legal Name of Inventor: Koji HASEGAWA	
発明者の署名	日付	Signature WW Wasegawa	Dat e April 22, 2016
発明者の正式な氏名		Legal Name of Inventor: Masahiro FUKUSHIMA	
発明者の署名	日付	Signature Masahiro Fukushina	Date April 22, 2016
発明者の正式な氏名		Legal Name of Inventor: Jun HATAKEYAMA	
発明者の署名	日付	Signature TanHAbleland	Date April 22, 2016
発明者の正式な氏名		Legal Name of Inventor Kazuhiro KATAYAMA	
発明者の署名	日付	Signature Kayuhiro katayama Legal Name of Inventor:	Date April 22, 2016
発明者の正式な氏名		Legal Name of Inventor:	
発明者の署名	日付	Signature	Date

注:本書面に必要な情報やサインは英語右砌のみに記入。日本語左欄は英語原本理解のための参考情報。

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PATENT REEL: 038614 FRAME: 0800

RECORDED: 05/17/2016