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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MIKA YAMAMOTO	01/14/2019
YASUHIRO KUWANA	01/21/2019
HIDETOSHI NAKATA	01/21/2019
KOICHI ENDOU	01/10/2019
KUNIHIKO KOTANI	01/22/2019
HIROSHI HASEBE	01/22/2019

RECEIVING PARTY DATA

Name:	DIC CORPORATION
Street Address:	35-58, SAKASHITA 3-CHOME, ITABASHI-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	174-8520

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15107422	

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 7038273860

Email: patentmail@whda.com

Correspondent Name: WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP

Address Line 1: 8500 LEESBURGH PIKE

Address Line 2: SUITE 7500

Address Line 4: TYSONS, VIRGINIA 22182

ATTORNEY DOCKET NUMBER:	P160324US00	
NAME OF SUBMITTER:	STEPHEN G. ADRIAN	
SIGNATURE:	/Stephen G. Adrian/	
DATE SIGNED:	06/11/2019	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT

REEL: 049427 FRAME: 0538

Total Attachments: 2

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PATENT REEL: 049427 FRAME: 0539

Combined Declaration and Assignment for Utility and Design Patent Applications

DECLARATION

	DECLARATION
As a below named in	iventor, I hereby declare that:
I believe I am the or is sought on the inve	iginal inventor or an original joint inventor of the subject matter which is claimed and for which a paten ation entitled
i i	OMPOUND CONTAINING MESOGENIC GROUP, AND MIXTURE, COMPOSITION, AND PRICALLY ANISOTROPIC BODY USING SAID COMPOUND
the application of wh	nich is attached hereto unless the following is checked
	as United States Application Number and was filed on December 18, 2014 a pplication Number PCT/JP2014/083584 and was amended on (if applicable).
The above-identified	application was made or authorized to be made by me.
	te that any willful false statement made in this declaration is punishable under section 1001 of title 18 b. t of not more than 5 years, or both.
	ASSIGNMENT
	VALUABLE CONSIDERATION, the adequacy and receipt of which is hereby acknowledged by the r(s) (hereinafter ASSIGNOR) by
Insert Assignee(s) Name/Address:	DIC CORPORATION 35-58, Sakashita 3-chome, Itabashi-ku, Tokyo 174-8520 Japan
exclusive right, title Patent of the United reexamination, supp	VEE), the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and and interest to the above-identified application (e.g., provisional or non-provisional) and all Letters States to be obtained therefore on said application or any continuation, divisional, substitute, reissue, lemental examination, inter partes review, post grant review, or other procedures thereof for the full ich the same may be granted.
reissue, reexamination	rees to execute all papers necessary in connection with the application and any continuation, divisional on, supplemental examination, inter partes review, post grant review, or other procedures thereof and also 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.

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

Docket No.: P160324US00

necessary in connection with applications for such patents and any continuation, divisional, substitute, reissue or reexamination, 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:

Legal Name of inventor ⇒	Mika Yamamoto	Date:	1/14/2019
Inventor's Signature	MIka Yamamoto		
Legal Name of inventor ⇒	Yasuhiro Kuwana	Date:	1/21/2019
Inventor's Signature ⇒	Yasahire Kumana		
Legal Name of inventor ⇒	Hidetoshi Nakata	Date:	1/21/2019
Inventor's Signature	Hideloshi Natute		
Legal Name of inventor ⇒	Koichi Endou	Date:	1/10/2019
Inventor's Signature ⇔	Reich Endon		
Legal Name of inventor ⇔	Kunihiko Kotani	Date:	1/22/2019
Inventor's Signature ⇔	Kumhik Kota		1
Legal Name of inventor ⇒	Hiroshi Hasebe Hiroshi Hasele	Date:	1/22/2019
Inventor's Signature ⇒			
Legal Name of inventor ⇔	Yoshiyuki Ono	Date:	
Inventor's Signature ⇒			