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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY	ΔΤΑ		I			
			Name	Execution Date		
TOSHIYUKI IGUCHI				06/02/2016		
TAKESHI KUSUDOU				06/02/2016		
TAKUYA KOBAYASHI				05/25/2016		
RECEIVING PARTY D	ΑΤΑ					
Name:		RAY C				
Street Address:			u, Kurashiki-shi			
City:		Okayama				
State/Country:	Japan					
Postal Code:	710-08	01				
	S Total: 1					
PROPERTY NUMBER	S Total: 1					
Property Type	•		Number			
Application Number:		15588	3986			
CORRESPONDENCE	DATA					
Fax Number: (703)413-2220						
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Email:		hcho(⊉oblon.com			
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ATTORNEY DOCKET N	IUMBER:		500242US			
NAME OF SUBMITTER:			HYUN CHO			
SIGNATURE:			/Hyun Cho/			
DATE SIGNED:			07/21/2017			
Total Attachments: 6						
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471154US74PROV

countries;

Assignment of Provisional Application

WHEREAS, I (WE) Toshiyuki IGUCHI of Niigata, Japan; RYSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS Takeshi KUSUDOU of Okayama, Japan; and Takuya KOBAYASHI of Okayama, Japan _, respectively. have invented certain new and useful improvements in: MULTILAYER INTERLAYER AND GLASS LAMINATE INSERT TITLE OF INVENTION: For which a Provisional application was filed on May 9, 2016 (Application No. 62/333,371). and WHEREAS, KURARAY CO., LTD. INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNES (hereinafter referred to as "ASSIGNEE") having a place of business at: 1621, Sakazu, Kurashiki-shi, Okayama 710-0801. Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) 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 me (us) had this Assignment and sale not been made.

PATENT REEL: 043064 FRAME: 0839

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Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, McClelland, Maier & Neustadt, L.L.P. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Jun 2,201	Toshiyuki Iguchi		
,,,,,,,,	(Signature of Inventor) Toshiyuki IGUCHI		
Date:			
	(Signature of Inventor) Takeshi KUSUDOU		
Date:			
	(Signature of Inventor) Takuya KOBAYASHI		
,			

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 043064 FRAME: 0840

471154US74PROV

Assignment of Provisional Application

INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS:	WHEREAS, I (WE) Toshiyuki IGUCHI of Niigata, Japan; Takeshi KUSUDOU of Okayama, Japan; and Takuya KOBAYASHI of Okayama, Japan						
	· · · · · · · · · · · · · · · · · · ·						
	, respectively,						
INSERT THLE OF INVENTION:	have invented certain new and useful improvements in: <u>MULTILAYER INTERLAYER AND GLASS LAMINATE</u>						
	For which a Provisional application was filed on May 9, 2016 (Application No. 62/333,371), and						
	WHEREAS, KURARAY CO., LTD.						
INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE	(hereinafter referred to as "ASSIGNEE") having a place of business at: <u>1621</u> , <u>Sakazu</u> , <u>Kurashiki-shi</u> , <u>Okayama 710-0801</u> , <u>Japan</u> is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;						
	NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby						

NOW, HEIREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

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07/09

Page 2 of 2

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

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Date:	(Signature of Inventor) Toshiyuki IGUCHI	
Date: June 2, 2016	Jakeshi Kusudon (Signature of Inventor) Takeshi KUSUDOU	
Date:	(Signature of Inventor) Takuya KOBAYASHI	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

07/09

PATENT REEL: 043064 FRAME: 0842

471154US74PROV

Assignment of Provisional Application

INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS:

WHEREAS, I (WE) Toshiyuki IGUCHI of Niigata, Japan; Takeshi KUSUDOU of Okayama, Japan; and Takuya KOBAYASHI of Okayama, Japan

_, respectively,

INSERT TITLE OF INVENTION:

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE have invented certain new and useful improvements in: <u>MULTILAYER INTERLAYER AND GLASS LAMINATE</u>

For which a Provisional application was filed on May 9, 2016 (Application No. <u>62/333,371</u>), and

WHEREAS, KURARAY CO., LTD.

(hereinafter referred to as "ASSIGNEE") having a place of business at: <u>1621, Sakazu, Kurashiki-shi, Okayama 710-0801, Japan</u> is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application(s)) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) 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 me (us) had this Assignment and sale not been made. Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

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Date:			
		(Signature of Inventor)	Toshiyuki IGUCHI
Date:			
		(Signature of Inventor)	Takeshi KUSUDOU
Date: 25 May 2	2016	Takuyo	r Kohayashi
		(Signature of Inventor)	Takuya KOBAYASHI

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

07/09

PATENT REEL: 043064 FRAME: 0844

RECORDED: 07/21/2017