#### 508108148 09/07/2023

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8155326

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HUIXING ZHANG	08/29/2023
KARL MALACHOWSKI	04/17/2023
ADIL JAAFAR	04/17/2023
XAVIER DROUET	04/17/2023

### **RECEIVING PARTY DATA**

Name:	SAINT-GOBAIN GLASS FRANCE
Street Address:	TOUR SAINT-GOBAIN, 12 PLACE DE L'IRIS
City:	COURBEVOIE
State/Country:	FRANCE
Postal Code:	92400

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	18262312

#### **CORRESPONDENCE DATA**

Fax Number: (703)770-7901

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.

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Email: maggie.barham@pillsburylaw.com

PILLSBURY WINTHROP SHAW PITTMAN LLP **Correspondent Name:** 

Address Line 1: P.O. BOX 10500

Address Line 4: MCLEAN, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	059273-0574984
NAME OF SUBMITTER:	MARGARET BARHAM
SIGNATURE:	/Margaret Barham/
DATE SIGNED:	09/07/2023

#### **Total Attachments: 8**

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Pillsbury Winthrop Shaw Pittman LLP

Intellectual Property Group P.O. Box 10500 McLean, VA 22102-4859 USA Patent Appln. Sole or Joint

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executed with	Client Ref.:
Atty. Dkt. 059273-0574984	2021018-US-PCT
0592/3-05/ M#	Client Ref.

NONPROVISIONAL

# ASSIGNMENT OF NONPROVISIONAL APPLICATION

NONP	

	In consideration of the sum of	Ten Dollars (\$10.00) and	d other good and valuable	consideration paid to
each of the und	ersigned, to wit:			
INSERT	(1) Huixing ZHANG		(2) Karl MALACHOWSI	<b>KI</b>

INSERT	[ ]	(2) Karl MALACHOWSKI
NAME(S) OF	(3) Adil JAAFAR	(4) Xavier DROUET
INVENTOR(S)	(5)	(6)

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT	SAINT-GOBAIN GLASS FRANCE		
NAME(S) OF	Tour Saint-Gobain, 12 Place de l'Iris	,	00000
ASSIGNEE(S)	92400 Courbevoie		
	France		
& ADDRESS(ES)			
U.S.C. 100, in the ir	ated "ASSIGNEE") the entire right, title and interest for the Univention and all applications including any and all divisions, collting patents, known as		
TITLE OF INVENTION	COMPOSITE PANE COMPRISING ELECTRICALLY CO PROPERTIES AND CONTROL UNIT	ONTROLLABLE OPTICAL	
NOTE → →	for which the undersigned executed an application for Lo America:  (A)  even date herewith	etters Patents of the United S	States of
(Complete	(B) 🔲 on		
line A. Randfor C)	(C) [X] in [] S Apple No. 10/262 212	ilad II 20 2022	

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legals representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

PAT 114 (82) 4863-2276-9245.v1

NOTE >> The undersigned hereby authorize(s) Pilisbury Winthrop Shaw Pitting LLD of the above attress to insert hereon any further identification necessary or desirable for recordation of this document insert hereon any further identification necessary or desirable for recordation of this document insert hereon any further identification necessary or desirable for recordation of this document insert hereon any further identification necessary or desirable for recordation of this document insert hereon any further identification necessary or desirable for recordation of this document insert hereon any further identification necessary or desirable for recordation of this document insert hereon any further identification necessary or desirable for recordation of this document insert hereon any further identification necessary or desirable for recordation of this document insert hereon any further identification necessary or desirable for recordation of this document insert hereon any further identification necessary or desirable for recordation of this document insert hereon any further identification necessary or desirable for recordation of this document insert hereon any further identification necessary or desirable for recordation of this document insert hereon any further identification necessary or desirable for recordation of this document insert hereon insert he

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Pillsbury Winthrop S	Shaw Pittman LLP		Client Ref.: 2021018-US-PCT
Intellectual Property P.O. Box 10500 McLean, VA 22102	Sole or Joint	M#	Client Ref.
NONPROVISIONAL	ASSIGNMENT		NONPROVISIONAL
	OF NONPROVISIONAL APP	LICATION	
In o	consideration of the sum of Ten Dollars (\$10.00) an gned, to wit:	d other good and valuable cor	nsideration paid to
INSERT	(1) Huixing ZHANG	(2) Karl MALACHOWSKI	
NAME(S) OF	(3) Adil JAAFAR	(4) Xavier DROUET	
INVENTOR(S)	(5)	(6)	
the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:			
INSERT	SAINT-GOBAIN GLASS FRANCE		
NAME(S) OF	Tour Saint-Gobain, 12 Place de l'Iris 92400 Courbevoie	VARIABLE V.	
ASSIGNEE(S)	France		
& ADDRESS(ES)	Trance	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	
(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as			
TITLE OF INVENTION	COMPOSITE PANE COMPRISING ELECTRIC PROPERTIES AND CONTROL UNIT	ALLY CONTROLLABLE OPT	TICAL
	for which the undersigned executed an applica America:	tion for Letters Patents of the	United States of
<u>NOTE</u> → → (Complete	(A) ☐ even date herewith (B) ☐ on		-
line A, B and/or C)	(C) $\overline{X}$ in U.S. Appln. No. $18/262,312$	<b>filed</b> July 20, 202	23

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legals representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

PAT-114 1/00 4863-2276-9245.v1

 $\underline{\text{NOTE}} \to \to$  The undersigned hereby authorize(s) Pillsbury Winthrop Shaw Pittman LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

	INVENTOR SIGNATURE	<u>DATE</u> <u>SIGNED</u>	
1) Name:	Huixing ZHANG		
2) Name:	Karl MALACHOWSKI	April 17th C	
3) Name:	Adil JAAFAR		
4) Name:	Xavier DROUET		

PAT-114 1/00 4863-2276-9245.v1

For Inventions made outside USA Please return signed/recorded to: executed with or after application Pillsbury Winthrop Shaw Pittman LLP Client Ref.: Atty. Dkt. 059273-0574984 2021018-US-PCT Intellectual Property Group **USA Patent Appln.** M# Client Ref. P.O. Box 10500 Sole or Joint McLean, VA 22102-4859 **NONPROVISIONAL ASSIGNMENT NONPROVISIONAL** OF NONPROVISIONAL APPLICATION In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit: (1) Huixing ZHANG **INSERT** (2) Karl MALACHOWSKI (3) Adil JAAFAR (4) Xavier DROUET NAME(S) OF (5) INVENTOR(S) (6)the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto: **INSERT** SAINT-GOBAIN GLASS FRANCE Tour Saint-Gobain, 12 Place de l'Iris NAME(S) OF 92400 Courbevoie ASSIGNEE(S) France & ADDRESS(ES)

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as COMPOSITE PANE COMPRISING ELECTRICALLY CONTROLLABLE OPTICAL **TITLE OF** INVENTION PROPERTIES AND CONTROL UNIT for which the undersigned executed an application for Letters Patents of the United States of America: NOTE  $\rightarrow \rightarrow$ (A) even date herewith (Complete (B) on line A, B and/or C) (C)  $\overline{\chi}$  in U.S. Appln. No. 18/262,312 filed July 20, 2023

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legals representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

> PATENT REEL: 064833 FRAME: 0574

3245.v1

 ${\tt NOTE} \to {\tt }$  The undersigned hereby authorize(s) Pillsbury Winthrop Shaw Pittman LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

	INVENTOR SIGNATURE	<u>DATE</u> <u>SIGNED</u>
1) Name:	Huixing ZHANG	
2) Name:	Karl MALACHOWSKI	
3) Name:	Adil JAAFAR	17.04.2023
4) Name:	Xavier DROUET	

PATENT 3245.v1
REEL: 064833 FRAME: 0575

DAT 11/1 1/00

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**USA Patent Appln.** Sole or Joint

For Inventions made outside USA executed with or after application Client Ref.: Atty. Dkt. 059273-0574984 2021018-US-PCT M# Client Ref.

**NONPROVISIONAL** 

## **ASSIGNMENT** OF NONPROVISIONAL APPLICATION

**NONPROVISIONAL** 

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT	(1) Huixing ZHANG	(2) Karl MALACHOWSKI	
NAME(S) OF	(3) Adil JAAFAR	(4) Xavier DROUET	
INVENTOR(S)	(5)	(6)	

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT	SAINT-GOBAIN GLASS FRANCE		
NAME(S) OF	our Saint-Gobain, 12 Place de l'Iris		
ASSIGNEE(S)	2400 Courbevoie		
	France		
& ADDRESS(ES)			
Ù.S.C. 100, in the in	tted "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 exention and all applications including any and all divisions, continuations, substitutes, and reissues liting patents, known as		
TITLE OF INVENTION	COMPOSITE PANE COMPRISING ELECTRICALLY CONTROLLABLE OPTICAL PROPERTIES AND CONTROL UNIT		
	for which the undersigned executed an application for Letters Patents of the United States of America:		
<u>NOTE</u> → → (Complete	(A) ☐ even date herewith (B) ☐ on		
line A, B and/or C)	(C) In U.S. Appln. No. <u>18/262,312</u> filed <u>July 20, 2023</u>		

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AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

PATENT

3245.v1

REEL: 064833 FRAME: 0576

 $\underline{\mathsf{NOTE}} o o$  The undersigned hereby authorize(s) Pillsbury Winthrop Shaw Pittman LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

	INVENTOR SIGNATURE	<u>DATE</u> <u>SIGNED</u>
1) Name:	Huixing ZHANG	
2) Name:	Karl MALACHOWSKI	
3) Name:	Adil JAAFAR	
4) Name:	Xavier DROUET	17/04/2023 

PATENT 3245.v1
REEL: 064833 FRAME: 0577

DAT 11/1 1/00

**RECORDED: 09/07/2023**