

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5496361

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ADAM D POLCYN	04/14/2019
ANDREW V WAGNER	03/22/2019
HARRY BUHAY	04/15/2019
ABHINAV BHANDARI	03/18/2019
JAMES J FINLEY	01/16/2019
PAUL R OHODNICKI JR	04/03/2019
DENNIS J O'SHAUGHNESSY	01/15/2019
JEFFREY A BENIGNI	03/18/2019
PAUL A MEDWICK	01/15/2019
JAMES P THIEL	04/10/2019

RECEIVING PARTY DATA

Name:	VITRO, S.A.B. DE C.V.
Street Address:	AV. RICARDO MARGAIN ZOZAYA #400
Internal Address:	COL. VALLE DE CAMPESTRE, SAN PEDRO GARZA
City:	NUEVO LEON
State/Country:	MEXICO
Postal Code:	66265

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15842118

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.

Email: twolski@webb.com

Correspondent Name: THOMAS C. WOLSKI

Address Line 1: 420 FORT DUQUESNE BOULEVARD

Address Line 2: THE WEBB LAW FIRM

Address Line 4: PITTSBURGH, PENNSYLVANIA 15219

ATTORNEY DOCKET NUMBER:	09006598D1
NAME OF SUBMITTER:	THOMAS C. WOLSKI
SIGNATURE:	/Thomas C. Wolski/
DATE SIGNED:	04/29/2019

Total Attachments: 15

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ASSIGNMENT

IN CONSIDERATION of good and valuable considerations received from VITRO, S.A.B. de C.V., a Mexican corporation, having a place of business at Av. Ricardo Margain Zozaya #400, Col. Valle del Campestre, San Pedro Garza Garcia, Nuevo León, Mexico 66265 and intending to be legally bound hereby, I,

<u>NAME</u>	<u>CITY</u>	<u>COUNTY</u>	<u>STATE/COUNTRY</u>
Adam D. Polcyn	Pittsburgh	Allegheny	PA/USA
Andrew V. Wagner	Pittsburgh	Allegheny	PA/USA
Harry Buhay	Allison Park	Allegheny	PA/USA
Abhinav Bhandari	Cranberry	Butler	PA/USA
James J. Finley	Pittsburgh	Allegheny	PA/USA
Paul R. Ohodnicki, Jr.	Allison Park	Allegheny	PA/USA
Dennis J. O'Shaughnessy	Allison Park	Allegheny	PA/USA
Jeffrey A. Benigni	McGrann	Armstrong	PA/USA
Paul A. Medwick	Allison Park	Allegheny	PA/USA
James P. Thiel	Lihue	Kauai	HI/USA

do hereby sell, assign and set over unto VITRO, S.A.B. de C.V., the entire right, title and interest in and to my invention of improvements in

SOLAR CONTROL COATINGS WITH DISCONTINUOUS METAL LAYER

as set forth in my application for Letters Patent of the United States of America, U.S. Serial No. 15/842,118, filed December 14, 2017, executed by

Adam D. Polcyn on the _____ day of _____, 2018;
Andrew V. Wagner on the _____ day of _____, 2018;
Harry Buhay on the 15 day of APRIL, 2019;
Abhinav Bhandari on the _____ day of _____, 2018;
James J. Finley on the _____ day of _____, 2018;
Paul R. Ohodnicki, Jr. on the _____ day of _____, 2018;
Dennis J. O'Shaughnessy on the _____ day of _____, 2018;
Jeffrey A. Benigni on the _____ day of _____, 2018;

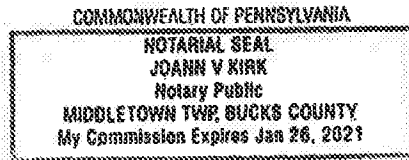
Application No. 15/842,118
Attorney Docket No. 09006598D1

3. FULL NAME OF ASSIGNOR:
Harry Buhay

RESIDENCE: 530 Palmer Farm Drive
Yardley, PA 19067

H Buhay

EXECUTED this 15 day of APRIL, 2019



WITNESS:

Joann V Kirk
Name:

4. FULL NAME OF ASSIGNOR:
Abhinav Bhandari

RESIDENCE: 125 Blue Ridge Drive
Cranberry, PA 16066

EXECUTED this _____ day of _____, 2018

WITNESS:

Name:

5. FULL NAME OF ASSIGNOR:
James J. Finley

RESIDENCE: 111 Cornwall Drive
Pittsburgh, PA 15238

EXECUTED this _____ day of _____, 2018

WITNESS:

Name:

ASSIGNMENT

IN CONSIDERATION of good and valuable considerations received from VITRO, S.A.B. de C.V., a Mexican corporation, having a place of business at Av. Ricardo Margain Zozaya #400, Col. Valle del Campestre, San Pedro Garza Garcia, Nuevo León, Mexico 66265 and intending to be legally bound hereby, I,

<u>NAME</u>	<u>CITY</u>	<u>COUNTY</u>	<u>STATE/COUNTRY</u>
Adam D. Polcyn	Pittsburgh	Allegheny	PA/USA
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Harry Buhay	Allison Park	Allegheny	PA/USA
Abhinav Bhandari	Cranberry	Butler	PA/USA
James J. Finley	Pittsburgh	Allegheny	PA/USA
Paul R. Ohodnicki, Jr.	Allison Park	Allegheny	PA/USA
Dennis J. O'Shaughnessy	Allison Park	Allegheny	PA/USA
Jeffrey A. Benigni	McGrann	Armstrong	PA/USA
Paul A. Medwick	Allison Park	Allegheny	PA/USA
James P. Thiel			

do hereby sell, assign and set over unto VITRO, S.A.B. de C.V., the entire right, title and interest in and to my invention of improvements in

SOLAR CONTROL COATNGS WITH DISCONTINUOUS METAL LAYER

as set forth in my application for Letters Patent of the United States of America, U.S. Serial No. 15/842,118, filed December 14, 2017, executed by

Adam D. Polcyn on the 14 day of MARCH, 2018; 2019
Andrew V. Wagner on the 22 day of March, 2018; 2019
Harry Buhay on the ____ day of _____, 2018; 2019
Abhinav Bhandari on the ____ day of _____, 2018;
James J. Finley on the 16 day of January, 2018; 2019
Paul R. Ohodnicki, Jr. on the ____ day of _____, 2018;
Dennis J. O'Shaughnessy on the 15 day of January, 2018; 2019
Jeffrey A. Benigni on the 18 day of March, 2018;

ASSIGNMENT

IN CONSIDERATION of good and valuable considerations received from VITRO, S.A.B. de C.V., a Mexican corporation, having a place of business at Av. Ricardo Margain Zozaya #400, Col. Valle del Campestre, San Pedro Garza Garcia, Nuevo León, Mexico 66265 and intending to be legally bound hereby, I,

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Dennis J. O'Shaughnessy	Allison Park	Allegheny	PA/USA
Jeffrey A. Benigni	McGrann	Armstrong	PA/USA
Paul A. Medwick	Allison Park	Allegheny	PA/USA
James P. Thiel	Lihue	Kauai	HI/USA

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SOLAR CONTROL COATINGS WITH DISCONTINUOUS METAL LAYER

as set forth in my application for Letters Patent of the United States of America, U.S. Serial No. 15/842,118, filed December 14, 2017, executed by

Adam D. Polcyn on the _____ day of _____, 2018;
Andrew V. Wagner on the _____ day of _____, 2019;
Harry Buhay on the _____ day of _____, 2019;
Abhinav Bhandari on the 1st day of March, 2019;
James J. Finley on the _____ day of _____, 2018;
Paul R. Ohodnicki, Jr. on the _____ day of _____, 2019;
Dennis J. O'Shaughnessy on the _____ day of _____, 2018;
Jeffrey A. Benigni on the _____ day of _____, 2019;

ASSIGNMENT

IN CONSIDERATION of good and valuable considerations received from VITRO, S.A.B. de C.V., a Mexican corporation, having a place of business at Av. Ricardo Margain Zozaya #400, Col. Valle del Campestre, San Pedro Garza García, Nuevo León, Mexico 66265 and intending to be legally bound hereby, I,

<u>NAME</u>	<u>CITY</u>	<u>COUNTY</u>	<u>STATE/COUNTRY</u>
Adam D. Polcyn	Pittsburgh	Allegheny	PA/USA
Andrew V. Wagner	Pittsburgh	Allegheny	PA/USA
Harry Buhay	Allison Park	Allegheny	PA/USA
Abhinav Bhandari	Cranberry	Butler	PA/USA
James J. Finley	Pittsburgh	Allegheny	PA/USA
Paul R. Ohodnicki, Jr.	Allison Park	Allegheny	PA/USA
Dennis J. O'Shaughnessy	Allison Park	Allegheny	PA/USA
Jeffrey A. Benigni	McGrann	Armstrong	PA/USA
Paul A. Medwick	Allison Park	Allegheny	PA/USA
James P. Thiel	Lihue	Kauai	HI/USA

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SOLAR CONTROL COATINGS WITH DISCONTINUOUS METAL LAYER

as set forth in my application for Letters Patent of the United States of America, U.S. Serial No. 15/842,118, filed December 14, 2017, executed by

Adam D. Polcyn on the _____ day of _____, 2018;
Andrew V. Wagner on the _____ day of _____, 2019;
Harry Buhay on the _____ day of _____, 2019;
Abhinav Bhandari on the _____ day of _____, 2019;
James J. Finley on the _____ day of _____, 2018;
Paul R. Ohodnicki, Jr. on the ~~30th~~ day of APRIL, 2019;
Dennis J. O'Shaughnessy on the _____ day of _____, 2018;
Jeffrey A. Benigni on the _____ day of _____, 2019;
Paul A. Medwick on the _____ day of _____, 2018;

Paul A. Medwick on the 15th day of January, ²⁰¹⁹ 2018;
James P. Thiel on the ___ day of _____, 2018;

in and for the United States and all foreign countries, the same to be held and enjoyed by VITRO, S.A.B. de C.V., its successors, assigns, or legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

AND I HEREBY AUTHORIZE VITRO, S.A.B. de C.V., to make application for and to receive Letters Patent for said invention in any or all foreign countries in its own name, or in any name, at its election.

AND I HEREBY COVENANT AND AGREE that we will execute or procure any further necessary assurance of the title to said invention and Letters Patent; and that we will at any time, upon the request and at the expense of VITRO, S.A.B. de C.V., execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefor, VITRO, S.A.B. de C.V., its successors, assigns, or other legal representatives, and that we will, at any time, upon the request and at the expense of VITRO, S.A.B. de C.V., testify in any legal proceeding, sign all lawful papers, execute any additional, divisional, continuing or reissue applications for patents for said invention, or any part or parts thereof, make all rightful oaths and generally do all lawful acts to aid VITRO, S.A.B. de C.V., its successors, assigns, or other legal representatives to obtain and enforce patent protection on said invention in all countries, without further compensation, but at the expense of VITRO, S.A.B. de C.V., its successors, assigns, or other legal representatives.

AND I HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for said invention, or resulting from said application, or from any division, reissue, or extension thereof, to VITRO, S.A.B. DE C.V., as sole assignee.

Paul A. Medwick on the _____ day of _____, 2018;
James P. Thiel on the 10 day of April, 2018, 2018;

in and for the United States and all foreign countries, the same to be held and enjoyed by VITRO, S.A.B. de C.V., its successors, assigns, or legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

AND I HEREBY AUTHORIZE VITRO, S.A.B. de C.V., to make application for and to receive Letters Patent for said invention in any or all foreign countries in its own name, or in any name, at its election.

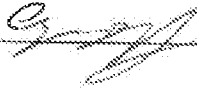
AND I HEREBY COVENANT AND AGREE that we will execute or procure any further necessary assurance of the title to said invention and Letters Patent; and that we will at any time, upon the request and at the expense of VITRO, S.A.B. de C.V., execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefor, VITRO, S.A.B. de C.V., its successors, assigns, or other legal representatives, and that we will, at any time, upon the request and at the expense of VITRO, S.A.B. de C.V., testify in any legal proceeding, sign all lawful papers, execute any additional, divisional, continuing or reissue applications for patents for said invention, or any part or parts thereof, make all rightful oaths and generally do all lawful acts to aid VITRO, S.A.B. de C.V., its successors, assigns, or other legal representatives to obtain and enforce patent protection on said invention in all countries, without further compensation, but at the expense of VITRO, S.A.B. de C.V., its successors, assigns, or other legal representatives.

AND I HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for said invention, or resulting from said application, or from any division, reissue, or extension thereof, to VITRO, S.A.B. DE C.V., as sole assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal.

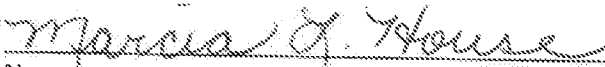
1. FULL NAME OF ASSIGNOR:
Adam D. Polcyn

RESIDENCE: 122 Crofton Drive
Pittsburgh, PA 15238



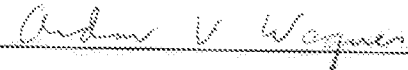
EXECUTED this 14 day of MARCH, ~~2018~~ 2019

WITNESS:


Name: MARCIA L. HOUSE

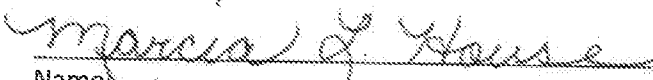
2. FULL NAME OF ASSIGNOR:
Andrew V. Wagner

RESIDENCE: 304 North Pasadena Drive
Pittsburgh, PA 15215



EXECUTED this 22 day of March, ~~2018~~ 2019

WITNESS:


Name: MARCIA L. HOUSE

3. FULL NAME OF ASSIGNOR:
Harry Buhay

RESIDENCE: 1952 Del Prado Court
Allison Park, PA 15101

EXECUTED this _____ day of _____, 2018

WITNESS:

Name:

4. FULL NAME OF ASSIGNOR:
Abhinav Bhandari

RESIDENCE: 125 Blue Ridge Drive
Cranberry, PA 16066

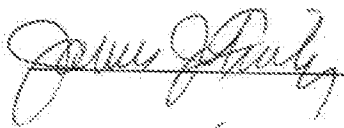
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WITNESS:

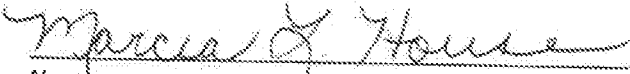
Name:

5. FULL NAME OF ASSIGNOR:
James J. Finley

RESIDENCE: 111 Cornwall Drive
Pittsburgh, PA 15238


EXECUTED this 16 day of January, ~~2018~~ ²⁰¹⁹

WITNESS:


Name: MARCIA L. HOUSE

3. FULL NAME OF ASSIGNOR:
Harry Buhay

RESIDENCE: 530 Palmer Farm Drive
Yardley, PA 19067

EXECUTED this _____ day of _____, 2019

WITNESS:

Name:

4. FULL NAME OF ASSIGNOR:
Abhinav Bhandari

RESIDENCE: 6590 Dorset Lane
Solon, OH 44139


EXECUTED this 18 day of March, 2019

WITNESS: MICHAEL T. GREYNER



Name:

5. FULL NAME OF ASSIGNOR:
James J. Finley

RESIDENCE: 111 Cornwall Drive
Pittsburgh, PA 15238

EXECUTED this _____ day of _____, 2018

WITNESS:

Name:

6. FULL NAME OF ASSIGNOR:
Paul R. Ohodnicki, Jr.

RESIDENCE: 3943 Bonita Drive
Allison Park, PA 15101

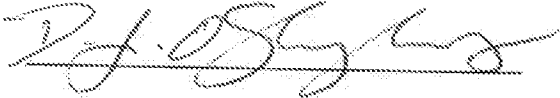
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WITNESS:

Name:

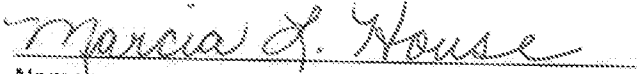
7. FULL NAME OF ASSIGNOR:
Dennis J. O'Shaughnessy

RESIDENCE: 4219 Wembledon Drive
Allison Park, PA 15101



EXECUTED this 15 day of January, ~~2018~~ 2019

WITNESS:


Name: MARCIA L. HOUSE

8. FULL NAME OF ASSIGNOR:
Jeffrey A. Benigni

RESIDENCE: 141 Byron Street
P.O. Box 234
McGrann PA 16236

EXECUTED this _____ day of _____, 2018

WITNESS:

Name:

Application No. 15/842,118
Attorney Docket No. 09006598D1


Paul R. Ohodnicki, Jr.

Allison Park, PA 15101

Paul R. Ohodnicki, Jr.

EXECUTED this 3rd day of APRIL, 2019

WITNESS:

Leah Ohodnicki 

Name:

7. FULL NAME OF ASSIGNOR:
Dennis J. O'Shaughnessy

RESIDENCE: 4219 Wembledon Drive
Allison Park, PA 15101

EXECUTED this _____ day of _____, 2018

WITNESS:

Name:

8. FULL NAME OF ASSIGNOR:
Jeffrey A. Benigni

RESIDENCE: 102 Water Street
P.O. Box 158
Manorville, PA 16238

EXECUTED this _____ day of _____, 2019

WITNESS:

Name:

9.

6. FULL NAME OF ASSIGNOR:
Paul R. Ohodnicki, Jr.

RESIDENCE: 4012 Gwynedd Drive
Allison Park, PA 15101

EXECUTED this _____ day of _____, 2019

WITNESS:

Name:

7. FULL NAME OF ASSIGNOR:
Dennis J. O'Shaughnessy

RESIDENCE: 4219 Wembledon Drive
Allison Park, PA 15101

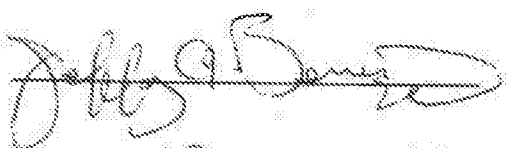
EXECUTED this _____ day of _____, 2018

WITNESS:

Name:

8. FULL NAME OF ASSIGNOR:
Jeffrey A. Benigni

RESIDENCE: 102 Water Street
P.O. Box 158
Manorville, PA 16238


EXECUTED this 18th day of March, 2019

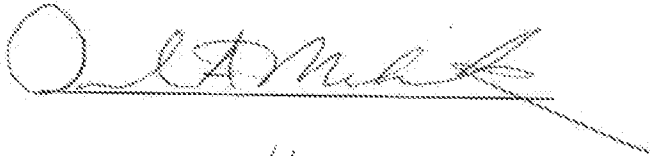
WITNESS:



Name:

9. FULL NAME OF ASSIGNOR:
Paul A. Medwick

RESIDENCE: ~~2810 Shetland Place, #231~~
~~Allison Park, PA 15101~~
10114 Deer View Pl.
Wexford, PA 15090



EXECUTED this 15th day of January, ~~2018~~ 2019

WITNESS:

Name:

10. FULL NAME OF ASSIGNOR:
James P. Thiel

RESIDENCE:

EXECUTED this _____ day of _____, 2018

WITNESS:

Name:

9. FULL NAME OF ASSIGNOR:
Paul A. Medwick

RESIDENCE: 2810 Shetland Place, #231
Allison Park, PA 15101

EXECUTED this _____ day of _____, 2018

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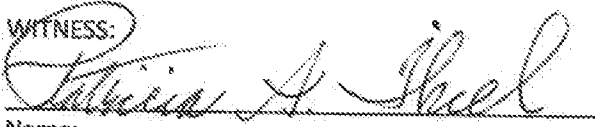
10. FULL NAME OF ASSIGNOR:
James P. Thiel

RESIDENCE: 4171 Lahi Place
Lihue, HI 96766



EXECUTED this 10 day of April, 2019

WITNESS:



Name:

Patricia A. Thiel