

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3299901

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GLASS EQUIPMENT DEVELOPMENT, INC.	02/01/2005
RECEIVING PARTY DATA	
Name:	GED INTEGRATED SOLUTIONS, INC.
Street Address:	92820 DUTTON DRIVE
City:	TWINSBURG
State/Country:	OHIO
Postal Code:	44087
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	7167767
CORRESPONDENCE DATA	
Fax Number:	(216)621-4072
<i>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.</i>	
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Email:	rkline@tarolli.com
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ATTORNEY DOCKET NUMBER:	16-454
NAME OF SUBMITTER:	JOHN A. YIRGA
SIGNATURE:	/John A. Yirga/
DATE SIGNED:	04/07/2015
Total Attachments: 9	
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PATENT RIGHTS ASSIGNMENT

WHEREAS, Glass Equipment Development, Inc., a corporation of the state of Ohio, having a place of business at 9280 Dutton Drive, Twinsburg, Ohio 44087-1967 (hereinafter "Glass Equipment") is the owner of all patent rights in and to inventions listed on Exhibit A, which were accorded the patent application serial numbers, patent numbers and registration numbers as shown on Exhibit A

(the inventions will hereinafter be referred to as 'said inventions' and Glass Equipment's patent rights in the invention will hereinafter be referred to as 'said patent rights in said inventions');

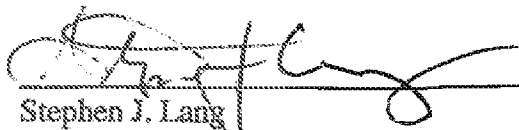
WHEREAS, Glass Equipment wishes to assign all rights, title and interest in and to said patent rights in said inventions, including the right, if and to the extent any such right exists, to file patent applications in the United States and foreign countries to obtain patent protection for said inventions, to GED Integrated Solutions, Inc. a corporation of the State of Ohio, having a place of business at 9280 Dutton Drive, Twinsburg, Ohio 44087-1967 (hereinafter "GED");

WHEREAS, GED wishes to be assigned all rights, title and interest in and to said patent rights in said inventions owned by Glass Equipment, including the right, if and to the extent any such right exists, to file patent applications in the United States and foreign countries to obtain patent protection for said inventions;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by the parties, Glass Equipment hereby assigns, transfers and conveys to GED all rights, title and interest in and to said patent rights in said inventions, including the right, if and to the extent any such right exists, to file future patent applications in the United States and foreign countries to obtain patent protection for said inventions and the right to assert infringement actions and collect damages or seek other remedies regardless of when said infringement occurred.

EFFECTIVE DATE OF ASSIGNMENT: 2/1/05

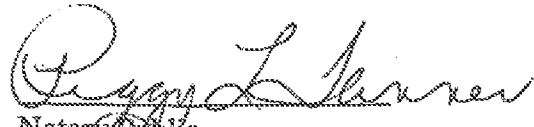
GLASS EQUIPMENT DEVELOPMENT, INC.



Stephen J. Lang
Chief Financial Officer

State of Ohio)
County of Summit) SS

This 1ST day of ^{FEBRUARY} ~~January~~, 2005, before me personally came the above named Stephen J. Lang, to me personally known as the individual who executed the foregoing patent rights assignment, and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth


Notary Public

PEGGY L. TANNER
NOTARY PUBLIC
Residence - Summit County
Statewide Jurisdiction Ohio
Expires 6-23-2008

EXHIBIT A

Patent Registrations and Applications for Glass Equipment Development, Inc.

<u>U.S. Patent Registration No.</u>	<u>Description</u>	<u>Attorney Docket</u>
5,313,761	Insulating Glass Unit	12-525
5,678,377	Insulating Glass Unit	15-525D1
5,295,292	Method of Making a Spacer Frame Assembly	12-621
5,361,476	Method of Making a Spacer Frame Assembly	12-621C1
6,173,484	System for Fabricating Muntin Bars from Sheet Material	14-282
6,438,819	System for Fabricating Contour Muntin Bars From Sheet Material	14-282C1
6,651,304	Method for Fabricating Contour Muntin Bars From Sheet Material	14-282C1D2
6,397,453	System for Fabricating Muntin Bars from Sheet Material	14-282C2D1
6,618,926	System for Fabricating Muntin Bars from Sheet Material	14-282C2D2
6,244,012	Muntin Grid and Joiner	14-998
6,630,028	Controlled Dispensing of Material	15-748
6,687,982	Laminated Muntin Bar Apparatus	15-801
6,708,384	Notched Muntin Bars Having Two Finishes	15-836

6,745,460	Laminating Preformed Muntin Bars	15-890
6,742,285	Air Knife and Conveyor System	16-142
6,678,938	System for Fabricating Muntin Bars From Sheet Material	16-407C1
5,105,591	Spacer Frame for an Insulating Glass Panel and Method of Making the Same	8-490C2D1

U.S. Patent Application No. Description Attorney Docket

10/644,253	System for Fabricating Contouring Muntin Bars From Sheet Material	14-282C1D3
10/430,662	Controlled Dispensing of Material	15-748C1
10/624,778	Controlled Dispensing of Material	15-748D1
10/693,034	Laminated Muntin Bar Method and Apparatus	15-801D1
10/733,682	Laminated Muntin Bar Method and Apparatus	15-801D2
10/754,386	Laminating Preformed Muntin Bars	15-890D1
10/032,850	Method and Apparatus for Applying Optical Film to Glass	16-019
10/753,780	Method and Apparatus for Applying Optical Films to Glass	16-019C1

10/183,775	Method and Apparatus for Processing Sealant of an Insulating Glass Unit	16-131
10/375,557	Glass Washing Machine with Broken Glass Removal System	16-143
10/331,264	Window or Door Manufacturing Method and Apparatus	16-223
10/661,880	Brush Speed Control	16-434
10/844,256	Glass Optimization	16-453C2
10/571,382 10/751,382	Glass On Demand System	16-454
10/922,689	Method and Apparatus for Applying Ductile Tape	16-687
10/922,745	Multi-Station Dessicant Dispensing	16-688
10/923,406	Decorative Tape	16-722
10/922,741	Method and Apparatus for Applying Aligned Tape Patterns	16-723

Canadian

<u>Patent Registration No.</u>	<u>Description</u>	<u>Attorney Docket</u>
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1,231,156	Method and Apparatus for Applying Sealant to Insulating Glass Panel Spacer Frames	9-65CA
2,087,937	Insulated Glass Unit	12-525CA
2,187,826	Insulating Glass Unit	15-525CAD1

Glass Equipment Patent Assignment Exhibit A

2,284,476	Muntin Grid and Joiner	14-998CA
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Canadian
Application No. Description Attorney Docket

2,310,993	System for Fabricating Contour Muntin Bars from Sheet Material	14-282C1CA
2,228,681	System for Fabricating Contour Muntin Bars from Sheet Material	14-282CA
2,455,353	Controlled Dispensing of Material	15-748C1CA
2,364,334	Controlled Dispensing of Material	15-748CA
2,368,349	Laminated Muntin Bar and Method and Apparatus	15-801CA
2,369,548	Notched Muntin Bars Having Two Finishes	15-836CA
2,391,729	Method and Apparatus for Applying Optical Film to Glass	16-019CA
2,422,479	Air Knife and Conveyor System	16-145CA
2,422,590	Broken Glass Removal System	16-143CA
1,02356	Machine for Washing Glass	16-157CA
Not yet assigned, based on US 10/753,780	Method and Apparatus for Applying Optical Films to Glass	16-019C1CA
Not yet assigned, based on US 10/922,689	Method and Apparatus for Applying Ductile Tape	16-687CA
Not yet assigned, based on	Decorative Tape	16-722CA

Glass Equipment Patent Assignment Exhibit A

US 923,406		
Not yet assigned, based on US 10/922,741	Method and Apparatus for Applying Aligned Tape Patterns	16-723CA

German

<u>Patent Registration No.</u>	<u>Description</u>	<u>Attorney Docket</u>
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69310392-2	Insulating Glass Unit	12-525EP
69315502-7	Method and Apparatus for Making Insulating Glass Unit	12-621EP

Mexico

Patent Registration No. Description Attorney Docket

181892	Method and Apparatus for Making Insulating Glass Unit	12-621MX
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Mexico

Patent Application No. Description Attorney Docket

2002/010748	Method and Apparatus for Applying Optical Film to Glass	16-019MX
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European

Patent Application No. Description Attorney Docket

95113318	Insulating Glass Unit	12-525EP2
04001483.9	Controlled Dispensing of Material	15-748C1EP
01310264.5	Controlled Dispensing of Material	15-748EP
02001883.4	Laminated Muntin Bar Method & Apparatus	15-801EP
02002983.1	Method and Apparatus for Making Notched Muntin Bars Having Two Finishes	15-836EP
02257301.8	Method and Apparatus for Applying Optical Film to Glass	16-019EP
03742206.0	Method and Apparatus For Processing Sealant of an Insulating Glass Unit	16-131P/EP

Glass Equipment Patent Assignment Exhibit A

040290392.0	Ornamental Tape Configuration and Method of Applying Ornamental Tape Configuration to a Glass Surface and Elongated Decorative Tape	16-722EP
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United Kingdom

Patent Registration No. Description Attorney Docket

0553642	Insulating Glass Unit	12-525EP
0585534	Method and Apparatus for Making Insulating Glass Unit	12-621EP