

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
GED Integrated Solutions, Inc.	08/31/2005

RECEIVING PARTY DATA

Name:	Antares Capital Corporation, as Agent
Street Address:	311 South Wacker Drive
Internal Address:	Suite 4400
City:	Chicago
State/Country:	ILLINOIS
Postal Code:	60606

PROPERTY NUMBERS Total: 23

Property Type	Number
Patent Number:	6912767
Patent Number:	6883278
Patent Number:	6868884
Patent Number:	6889416
Patent Number:	6742285
Patent Number:	D489848
Patent Number:	6708384
Patent Number:	6687982
Patent Number:	6678938
Patent Number:	6651304
Patent Number:	6630028
Patent Number:	6618926
Patent Number:	6438819
Patent Number:	6244012

PATENT

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REEL: 016536 FRAME: 0123

CH \$920.00 6912767

Patent Number:	6173484
Patent Number:	5678377
Patent Number:	5361476
Patent Number:	5105591
Patent Number:	4628582
Patent Number:	4546723
Patent Number:	4530195
Patent Number:	4513546
Patent Number:	4357744

CORRESPONDENCE DATA

Fax Number: (866)459-2899

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NAME OF SUBMITTER:

Penelope J.A. Agodoa

Total Attachments: 12

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RECORDATION FORM COVER SHEET
PATENTS ONLY

OMB No. 0651-0027 (exp. 5/31/2002)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

GED INTEGRATED SOLUTIONS, INC.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
☒ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 08/31/2005

2. Name and address of receiving party(ies)

Name: ANTARES CAPITAL CORPORATION, as Agent

Internal Address: Suite 4400

Street Address: 311 South Wacker Drive

City: Chicago State: IL Zip: 60661

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) n/a

B. Patent No.(s) see attached

Additional numbers attached? ☒ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Penelope S. Johnson

Internal Address: Katten Muchin Zavis Rosenman

Suite 1800

Street Address: 525 West Monroe Street

City: Chicago State: IL Zip: 60661

6. Total number of applications and patents involved: 24

7. Total fee (37 CFR 3.41).....\$ 960.00

☒ Enclosed

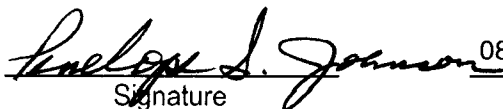
☐ Authorized to be charged to deposit account

8. Deposit account number:

9. Signature.

Penelope S. Johnson

Name of Person Signing



Signature

08/31/2005

Date

Total number of pages including cover sheet, attachments, and documents: 11

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

SCHEDULE A

Patents

Set forth below is a listing of all GED Integrated Solutions, Inc. patents and patent applications.

U.S. Patent Registrations

<u>PATENT TITLE</u>	<u>REGISTRATION NUMBER</u>	<u>REGISTRATION DATE</u>
① Laminated muntin bar method	6912767	07/05/05
② Muntin bars	6883278	04/26/05
③ Method and apparatus for applying optical film to glass	6868884	03/22/05
④ Process for making laminating preformed muntin bars	6889416	05/10/05
⑤ Method and apparatus for applying optical film to glass	6868884	03/22/05
⑥ Air knife and conveyor system	6742285	06/01/04
⑦ Glass washing machine	D489848	05/11/04
⑧ Notched muntin bars having two finishes	6708384	03/23/04
⑨ Laminated muntin bar apparatus	6687982	02/10/04
⑩ System for fabricating muntin bar	6678938	01/20/04

<u>PATENT TITLE</u>	<u>REGISTRATION NUMBER</u>	<u>REGISTRATION DATE</u>
from sheet metal		
(11) Method for fabricating contour muntin bars from sheet material	6651304	11/25/03
(12) Controlled dispensing of material	6630028	10/07/03
(13) Systems for fabricating muntin bars from sheet material	6618926	09/16/03
(14) System for fabricating contourmuntin bars from sheet material	6438819	08/27/02
(15) Muntin grid and joiner	6244012	06/12/01
(16) System for fabricating muntin bars from sheet material	6173484	01/16/01
(17) Insulating glass unit	5678377	10/21/97
(18) Method of making a spacer frame assembly	5361476	11/08/94
(19) Spacer frame for an insulating glass panel and method of making the same	5105591	04/21/92
(20) Method of making spacer frame for an insulating glass panel	4628582	12/16/86 (may have expired)
(21) Method and apparatus for applying sealant to insulating glass panel spacer frames	4546723	10/15/85 (may have expired)
(22) Spacer frame for an insulating glass panel and method for making the same	4530195	07/23/85 (may have expired)

<u>PATENT TITLE</u>	<u>REGISTRATION NUMBER</u>	<u>REGISTRATION DATE</u>
(23) Corner key for window spacer element	4513546	04/30/85 (may have expired)
(24) Method of connecting insulated glass frame	4357744	11/09/82 (may have expired)

PATENT SECURITY AGREEMENT

THIS PATENT SECURITY AGREEMENT, dated as of August 31, 2005, is by **GED INTEGRATED SOLUTIONS, INC.**, an Ohio corporation (the "Grantor") in favor of **ANTARES CAPITAL CORPORATION**, a Delaware corporation, as agent (in such capacity, the "Grantee") for the benefit of Grantee and Lenders (as such term is hereinafter defined).

RECITALS

A. Grantor owns the Patents, Patent registrations, and Patent applications listed on Schedule A annexed hereto, and is a party to the Patent licenses listed on Schedule A annexed hereto; and

B. Grantor, as Borrower, has entered into a Credit Agreement dated as of August 31, 2005 (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "**Credit Agreement**"), with Antares Capital Corporation, as agent ("Agent") for the benefit of all financial institutions that from time to time become lenders under the Credit Agreement (collectively, the "Lenders"), and as a Lender, providing for extensions of credit and other financial accommodations to be made to Borrower by Lenders; and

C. Pursuant to the terms of a Security Agreement dated as of even date herewith (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "Security Agreement"), between Grantor and Grantee, Grantor has granted to Grantee for the benefit of Grantee and Lenders a security interest in substantially all the assets of Grantor including all right, title and interest of Grantor in, to and under all now owned and hereafter acquired Patents (as defined in the Security Agreement), Patent registrations, Patent applications and Patent licenses, together with the goodwill of the business symbolized by Grantor's Patents, and all proceeds thereof, to secure the payment of the "Obligations" (as such term is defined in the Security Agreement);

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Grantor does hereby grant to Grantee a continuing security interest in all of Grantor's right, title and interest in, to and under the following (all of the following items or types of property being herein collectively referred to as the "Patent Collateral"), whether presently existing or hereafter created or acquired:

- (1) each Patent, Patent registration and Patent application, including, without limitation, the Patents, Patent registrations (together with any reissues, continuations or extensions thereof) and Patent applications referred to in Schedule A annexed hereto, all patentable inventions and all of the inventions and improvements described and claimed therein, and all of the goodwill of the business connected with the use of, and symbolized by each of the foregoing;
- (2) each Patent license including, without limitation, the Patent licenses listed on Schedule A annexed hereto; and

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(3) all products and proceeds of the foregoing, including, without limitation, any claim by Grantor against third parties for past, present or future infringement or dilution of any Patent or Patent registration including, without limitation, the Patents and Patent registrations referred to in Schedule A annexed hereto, the Patent registrations issued with respect to the Patent applications referred to in Schedule A and the Patents licensed under any Patent license.

This security interest is granted in conjunction with the security interests granted to Grantee pursuant to the Security Agreement and is not intended to increase the rights of Grantee or the obligations of Grantor beyond the rights and obligations contained in the Security Agreement. Grantor hereby acknowledges and affirms that the rights and remedies of Grantee with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein.

[Remainder of page intentionally left blank; signature page follows.]

EXECUTION COPY

IN WITNESS WHEREOF, Grantor has caused this Patent Security Agreement to be duly executed by its duly authorized officer on the date first set forth above.

**GED INTEGRATED SOLUTIONS,
INC.,**
an Ohio corporation

By: 

Name: _____

Title: _____

DISCLOSURE SCHEDULES
TO
PATENT SECURITY AGREEMENT
FILED WITH THE USPTO, PATENT DIVISION

DATED AUGUST 31, 2005

SCHEDULE A

Patents

Set forth below is a listing of all GED Integrated Solutions, Inc. patents and patent applications.

U.S. Patent Registrations

<u>PATENT TITLE</u>	<u>REGISTRATION NUMBER</u>	<u>REGISTRATION DATE</u>
Laminated muntin bar method	6912767	07/05/05
Muntin bars	6883278	04/26/05
Method and apparatus for applying optical film to glass	6868884	03/22/05
Process for making laminating preformed muntin bars	6889416	05/10/05
Method and apparatus for applying optical film to glass	6868884	03/22/05
Glass production sequencing	20050043838	02/24/05
Controlled dispensing of material	20040255852	12/23/04
Glass optimization	20040236459	11/25/04
Laminated muntin bar method and apparatus	20040117967	06/24/04
Air knife and conveyor system	6742285	06/01/04
Glass washing machine	D489848	05/11/04
Notched muntin bars having two finishes	6708384	03/23/04
System for fabricating contour muntin bars from sheet metal	20040037985	02/26/04
Laminated muntin bar apparatus	6687982	02/10/04
System for fabricating muntin bar	6678938	01/20/04

<u>PATENT TITLE</u>	<u>REGISTRATION NUMBER</u>	<u>REGISTRATION DATE</u>
from sheet metal		
Method and apparatus for processing sealant of an insulating glass unit	20040000367	01/01/04
Window or door manufacturing method and apparatus	20030233163	12/18/03
Method for fabricating contour muntin bars from sheet material	6651304	11/25/03
Controlled dispensing of material	6630028	10/07/03
Glass washing machine with broken glass removal system	20030172957	09/18/03
Systems for fabricating muntin bars from sheet material	6618926	09/16/03
System for fabricating contourmuntin bars from sheet material	6438819	08/27/02
Muntin grid and joiner	6244012	06/12/01
System for fabricating muntin bars from sheet material	6173484	01/16/01
Insulating glass unit	5678377	10/21/97
Method of making a spacer frame assembly	5361476	11/08/94
Spacer frame for an insulating glass panel and method of making the same	5105591	04/21/92
Method of making spacer frame for an insulating glass panel	4628582	12/16/86 (may have expired)
Method and apparatus for applying sealant to insulating glass panel spacer frames	4546723	10/15/85 (may have expired)
Spacer frame for an insulating glass panel and method for making the same	4530195	07/23/85 (may have expired)

<u>PATENT TITLE</u>	<u>REGISTRATION NUMBER</u>	<u>REGISTRATION DATE</u>
Corner key for window spacer element	4513546	04/30/85 (may have expired)
Method of connecting insulated glass frame	4357744	11/09/82 (may have expired)

Foreign Patent Registrations

<u>PATENT TITLE</u>	<u>COUNTRY</u>	<u>REGISTRATION NUMBER</u>	<u>REGISTRATION DATE</u>
Insulating Glass Unit	Canada	2,087,937	January 22, 1993
Insulating Glass Unit	Canada	2,187,826	January 22, 1993
Glazing Unit Having 3 or More Sheets (PPG)	Canada	2,113,022	
System for Fabricating Muntin Bars from Sheet Material	Canada	TMA545592	July 10, 1998
Insulated Glass Unit	Canada	2,187,826	October 15, 1996
Muntin Grid and Joiner	Canada	2,284,476	October 5, 1999

Foreign Patent Registrations

<u>PATENT TITLE</u>	<u>COUNTRY</u>	<u>REGISTRATION NUMBER</u>	<u>REGISTRATION DATE</u>
Insulating Glass Unit	Europe	EPO553642B1	January 13, 1993
Method and Apparatus for Making Insulating Glass Units	Europe	EPO585534B1	May 14, 1993

Foreign Patent Registrations

<u>PATENT TITLE</u>	<u>COUNTRY</u>	<u>REGISTRATION NUMBER</u>	<u>REGISTRATION DATE</u>
Method and Apparatus for Making Insulating Glass Units	Mexico	181892	August 12, 1993