

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6728970

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY INTEREST	
CONVEYING PARTY DATA		
	Name	Execution Date
	GED PURCHASER, INC.	05/21/2021
	GED INTEGRATED HOLDINGS, INC.	05/21/2021
	GED INTEGRATED SOLUTIONS, INC.	05/21/2021
	NORFIELD ACQUISITION, LLC	05/21/2021
RECEIVING PARTY DATA		
Name:	TCF NATIONAL BANK, AS ADMINISTRATIVE AGENT	
Street Address:	71 S. WACKER DRIVE, SUITE 2110	
City:	CHICAGO	
State/Country:	ILLINOIS	
Postal Code:	60606	
PROPERTY NUMBERS Total: 82		
Property Type	Number	
Patent Number:	6708384	
Patent Number:	D489848	
Patent Number:	6742285	
Patent Number:	6883278	
Patent Number:	6899416	
Patent Number:	6926782	
Patent Number:	6954676	
Patent Number:	7105068	
Patent Number:	7195824	
Patent Number:	7167767	
Patent Number:	7275570	
Patent Number:	7273406	
Patent Number:	7422650	
Patent Number:	7445682	
Patent Number:	7503090	
Patent Number:	7531044	
Patent Number:	8720026	

PATENT

Property Type	Number
Patent Number:	7802365
Patent Number:	7866033
Patent Number:	7901526
Patent Number:	7727336
Patent Number:	7921064
Patent Number:	7980259
Patent Number:	7955458
Patent Number:	7448246
Patent Number:	8001742
Patent Number:	8015763
Patent Number:	8056234
Patent Number:	8250023
Patent Number:	8474400
Patent Number:	8512501
Patent Number:	8726487
Patent Number:	8813337
Patent Number:	8904611
Patent Number:	9416583
Patent Number:	9421794
Patent Number:	9212515
Patent Number:	9428953
Patent Number:	10316578
Patent Number:	9279283
Patent Number:	9765564
Patent Number:	9834980
Patent Number:	9849701
Patent Number:	D824747
Patent Number:	10156515
Patent Number:	10184290
Patent Number:	10267083
Patent Number:	10352090
Patent Number:	10352091
Patent Number:	10369617
Patent Number:	10414051
Patent Number:	D867105
Patent Number:	10533367
Patent Number:	10562192
Patent Number:	10577856

Property Type	Number
Patent Number:	10648244
Patent Number:	10632722
Patent Number:	10738528
Patent Number:	10828659
Patent Number:	D902023
Patent Number:	10837224
Patent Number:	10920480
Application Number:	11789402
Application Number:	14334895
Application Number:	62758856
Application Number:	16922001
Application Number:	17074130
Application Number:	14703027
Application Number:	16719120
Application Number:	62081220
Application Number:	15210544
Application Number:	16439051
Application Number:	16517069
Application Number:	17150576
Application Number:	16295869
Application Number:	62620118
Application Number:	62629785
Application Number:	16273909
Application Number:	16785724
Application Number:	63043288
Application Number:	63066934
Application Number:	63106504

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: jbleskin@schiffhardin.com

Correspondent Name: SCHIFF HARDIN LLP

Address Line 1: 233 S WACKER DRIVE, SUITE 7100

Address Line 2: JENNIFER BLESKIN

Address Line 4: CHICAGO, ILLINOIS 60606

NAME OF SUBMITTER: JENNIFER BLESKIN

SIGNATURE: /s/ Jennifer Bleskin

DATE SIGNED:

05/25/2021

Total Attachments: 23

source=Amended and Restated IP Security Agreement#page1.tif
source=Amended and Restated IP Security Agreement#page2.tif
source=Amended and Restated IP Security Agreement#page3.tif
source=Amended and Restated IP Security Agreement#page4.tif
source=Amended and Restated IP Security Agreement#page5.tif
source=Amended and Restated IP Security Agreement#page6.tif
source=Amended and Restated IP Security Agreement#page7.tif
source=Amended and Restated IP Security Agreement#page8.tif
source=Amended and Restated IP Security Agreement#page9.tif
source=Amended and Restated IP Security Agreement#page10.tif
source=Amended and Restated IP Security Agreement#page11.tif
source=Amended and Restated IP Security Agreement#page12.tif
source=Amended and Restated IP Security Agreement#page13.tif
source=Amended and Restated IP Security Agreement#page14.tif
source=Amended and Restated IP Security Agreement#page15.tif
source=Amended and Restated IP Security Agreement#page16.tif
source=Amended and Restated IP Security Agreement#page17.tif
source=Amended and Restated IP Security Agreement#page18.tif
source=Amended and Restated IP Security Agreement#page19.tif
source=Amended and Restated IP Security Agreement#page20.tif
source=Amended and Restated IP Security Agreement#page21.tif
source=Amended and Restated IP Security Agreement#page22.tif
source=Amended and Restated IP Security Agreement#page23.tif

**AMENDED AND RESTATED PATENT, COPYRIGHT, LICENSE AND TRADEMARK
SECURITY AGREEMENT**

THIS AMENDED AND RESTATED PATENT, COPYRIGHT, LICENSE AND TRADEMARK SECURITY AGREEMENT ("Agreement") is made as of May 21, 2021 by GED Purchaser, Inc., a Delaware corporation ("Holdings"), GED Integrated Holdings, Inc., a Delaware corporation ("Intermediate Holdings"), GED Integrated Solutions, Inc., a Delaware corporation ("GED"), Norfield Acquisition, LLC, a Delaware limited liability company ("Norfield"; GED and Norfield are referred to herein, collectively, as "Borrowers" and, individually, as a "Borrower"; Holdings, Intermediate Holdings and Borrowers are referred to herein, collectively, as "Obligors" and, individually, as an "Obligor"), in favor of TCF National Bank, in its capacity as administrative agent (in such capacity, the "Administrative Agent") for the lenders from time to time party to the Credit Agreement referred to below (the "Lenders").

W I T N E S S E T H:

WHEREAS, Obligors and TCF National Bank, individually ("TCF"), are parties to that certain Credit Agreement dated as of March 4, 2020 (as heretofore amended, restated, modified or supplemented, the "Existing Credit Agreement");

WHEREAS, Obligors, Lenders and Administrative Agent desire to amend and restate the Existing Credit Agreement in its entirety in the form of that certain Amended and Restated Credit Agreement dated as of May 21, 2021 among Obligors, Lenders and Administrative Agent (as amended, restated, modified or supplemented from time to time, the "Credit Agreement"); and

WHEREAS, it is a condition to the effectiveness of the Credit Agreement and any extensions of credit to or for the benefit of Borrowers thereunder that, among other things, Obligors agree to amend and restate that certain Patent, Copyright, License and Trademark Security Agreement dated as of March 4, 2020 among Holdings, Intermediate Holdings, GED and TCF (the "First Existing IP Security Agreement"), that certain Patent, Copyright, License and Trademark Security Agreement dated as of February 1, 2021 between Norfield and TCF (the "Second Existing IP Security Agreement") and that certain Patent Security Agreement dated as of February 8, 2021 between GED and TCF (the "Third Existing IP Security Agreement") in their entirety in the form of this Agreement;

NOW, THEREFORE, in consideration of the premises set forth herein, to induce Administrative Agent and Lenders to enter into the Credit Agreement, to induce Lenders to make any loan or advance to Borrowers thereunder, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the First Existing IP Security Agreement, the Second Existing IP Security Agreement and the Third Existing IP Security Agreement are amended and restated in their entirety as follows and the parties hereto agree as follows:

1. **Credit Agreement.** This Agreement is being entered into in connection with and pursuant to the Credit Agreement. Terms used herein which are not defined herein but are defined in the Credit Agreement shall have the meanings ascribed to them therein.

2. **Grant of Security Interest, Etc.** To secure the complete and timely satisfaction of all of each Obligor's Liabilities each Obligor hereby grants to the Administrative Agent, for the benefit of itself and the other Secured Parties, a security interest in and to all of such Obligor's right, title and interest in, to and under all of the following, whether now existing or hereafter arising:

(i) patents and patent applications, including, without limitation, the inventions and improvements described and claimed therein, and those patents and patent applications listed on Schedule A attached hereto and made a part hereof, and (a) the reissues, divisions, continuations, renewals, extensions and continuations-in-part thereof, (b) all income, royalties, damages and payments now and hereafter due and/or payable under and with respect thereto, including, without limitation, damages and payments for past or future infringements thereof, (c) the right to sue for past, present and future infringements thereof, and (d) all rights corresponding thereto throughout the world (all of the foregoing patents and applications, together with the items described in clauses (a) through (d), inclusive, in which such Obligor now or hereafter has any right, title or interest are sometimes hereinafter individually and/or collectively referred to as the "Patents");

(ii) all copyrights, copyright registrations and copyright applications including, without limitation, the copyrights and applications listed on Schedule B attached hereto and made a part hereof, and (a) renewals thereof, (b) all income, royalties, damages and payments now and hereafter due and/or payable with respect thereto, including, without limitation, damages and payments for past or future infringements thereof, (c) the right to sue for past, present and future infringements thereof, and (d) all rights corresponding thereto throughout the world (all of the foregoing copyrights, copyright registrations and copyright applications, together with the items described in clauses (a) through (d), inclusive, in which such Obligor now or hereafter has any right, title or interest are sometimes hereinafter individually and/or collectively referred to as the "Copyrights");

(iii) all such Obligor's rights and obligations pursuant to its license agreements with any other Person or Persons with respect to any Patents and Copyrights, whether such Obligor is a licensor or licensee under any such license agreements, including, without limitation, the licenses listed on Schedule C attached hereto and made a part hereof, and, subject to the terms of such licenses, the right to prepare for sale, sell and advertise for sale, all Inventory now or hereafter owned by such Obligor and now or hereafter covered by such licenses (all of the foregoing is hereinafter referred to collectively as the "Patent and Copyright Licenses");

(iv) all service marks, trademarks, trademark or service mark registrations, trademark or service mark applications, domain names and trade names including, without limitation, the trademarks and service marks listed on Schedule D attached hereto and made a part hereof, and (a) renewals thereof, (b) all income, royalties, damages and payments now and hereafter due and/or payable with respect thereto, including, without limitation, damages and payments for past or future infringements thereof, (c) the right to sue for past, present and future

infringements thereof, and (d) all rights corresponding thereto throughout the world (all the foregoing service marks, trademarks, registrations, applications and trade names, together with the items described in clauses (a) through (d), inclusive, with respect thereto in which such Obligor now or hereafter has any right, title or interest are sometimes hereinafter and/or collectively referred to as the "Marks");

(v) all such Obligor's rights and obligations pursuant to its license agreements with any other Person or Persons with respect to any Marks, whether such Obligor is a licensor or licensee under any such license agreements, including, without limitation, the licenses listed on Schedule E attached hereto and made a part hereof, and, subject to the terms of such licenses, the right to prepare for sale, sell and advertise for sale, all Inventory now or hereafter owned by such Obligor and now or hereafter covered by such licenses (all of the foregoing is hereinafter referred to as "Trademark Licenses"; Patent and Copyright Licenses and Trademark Licenses are hereinafter referred to collectively as "Licenses"); and

(vi) the goodwill of such Obligor's business connected with and symbolized by the Marks;

provided, however, that there shall be excluded from the foregoing grant of security interest all Excluded Property (as such term is defined in the Security Agreement).

3. Restrictions on Future Agreements. Subject to the provisions of the Credit Agreement, each Obligor agrees and covenants that until the Liabilities (other than (i) Unasserted Contingent Indemnification Claims, and (ii) Banking Services Liabilities that, in the case of this clause (ii), have been cash collateralized in amounts, and pursuant to agreements, in form and substance satisfactory to TCF) shall have been satisfied in full and the Lenders' commitments to extend credit under the Credit Agreement shall have been terminated, such Obligor will not, without Administrative Agent's prior written consent, take any action or enter into any agreement, including, without limitation entering into any license agreement (except any license agreement entered into in the Ordinary Course of Business and not in violation of any Royalty Document), which is inconsistent with such Obligor's obligations under this Agreement, and each Obligor further agrees and covenants that without Administrative Agent's prior written consent it will not take any action, or permit any action to be taken by others subject to its control, including its licensees, or fail to take any action which would affect the validity or enforcement or nature of the rights transferred to Administrative Agent under this Agreement unless and to the extent that such Obligor has concluded in the exercise of reasonable commercial judgment that any such rights do not relate to any Royalty Document and are no longer of material importance to the business of such Obligor. Each Obligor agrees and covenants not to sell or assign its interest in, or grant any license under, the Patents, Marks, Copyrights or Licenses, without receiving the prior written consent of the Required Lenders thereto except with respect to any such sales, assignments or grants made in the Ordinary Course of Business to the extent that such sales, assignments or grants do not relate to any Patents, Marks, Copyrights or License that are the subject of any Royalty Document and would not reasonably be expected, individually or in the aggregate, to have a Material Adverse Effect. Notwithstanding the foregoing, no Obligor shall take any action in violation of the Credit Agreement, the Security Agreement or any Royalty Document.

4. Certain Covenants, Representations and Warranties of each Obligor. Except as otherwise set forth in the Schedules hereto, each Obligor covenants, represents and warrants (to the best of such Obligor's knowledge with respect to any Patents, Marks and Copyrights which are licensed by third parties to such Obligor) that: (i) the Patents, Marks, Copyrights and Licenses are subsisting, have not been adjudged invalid or unenforceable in whole or in part, and are not currently being challenged in any way; (ii) none of the Patents, Marks, Copyrights and Licenses that is material to such Obligor's business or the Royalty Agreement have lapsed or expired or have been abandoned, whether due to any failure to pay any maintenance or other fees or make any filing or otherwise (except as a result of expiration at the end of their non-renewable statutory terms); (iii) each of the Patents, Marks and Copyrights (other than applications therefor) that is material to such Obligor's business is valid and enforceable and such Obligor is unaware of any invalidating prior art (including public uses and sales) relative to such Patents, and is unaware of any impairments to such Patents, Marks or Copyrights which would have a material adverse effect on the validity and/or enforceability of such Patents, Marks or Copyrights; (iv) to the best of such Obligor's knowledge, no claim has been made that the use of any of the Patents, Marks, Copyrights or Licenses constitutes an infringement of a third party's rights in any material respect; (v) such Obligor owns the entire right, title and interest in and to each of the Patents, Marks and Copyrights (other than those being licensed to such Obligor pursuant to the Licenses) free and clear of any Liens and encumbrances of every kind and nature, and the Licenses are valid and subsisting licenses with respect to the Patents, Marks, Copyrights described therein, free and clear of any Liens and encumbrances of every kind and nature arising by, through or under such Obligor, in each case except for (A) rights granted by such Obligor pursuant to the applicable licenses listed on Schedules C and E, and (B) Permitted Liens; (vi) the Patents, Marks and Copyrights and Licenses listed on Schedules A, B, C, D and E constitute all such items that are the subject of any registration or application for registration owned by such Obligor as of the date hereof and Schedules C and E set forth all material Licenses to which such Obligor is a party as of the date hereof; (vii) such Obligor has the unqualified right to enter into this Agreement and perform its terms; (viii) such Obligor will use proper statutory notice in connection with its use of the Patents, Marks and Copyrights (except as to any thereof which is no longer material to such Obligor's business) to the extent necessary to maintain its rights therein; and (ix) such Obligor will use standards of quality in its manufacture of products sold under the Marks substantially consistent with those currently employed by it.

5. New Patents, Marks, Copyrights and Licenses. If, before the Liabilities (other than (i) Unasserted Contingent Indemnification Claims, and (ii) Banking Services Liabilities that, in the case of this clause (ii), have been cash collateralized in amounts, and pursuant to agreements, in form and substance satisfactory to TCF) shall have been satisfied in full and the Lenders' commitments to extend credit under the Credit Agreement shall have been terminated, any Obligor shall (i) obtain rights to any new patentable inventions, trademarks, service marks, trademark or service mark registrations, copyrights, copyright registrations, trade names or licenses, or (ii) become entitled to the benefit of any patent, trademark or service mark application, trademark, service mark, trademark or service mark registration, copyrights, copyright registrations, license or license renewal, or patent for any reissue, division, continuation, renewal, extension, or continuation-in-part of any Patent or any improvement on any Patent, the provisions of Section 2 above shall automatically apply thereto and such Obligor shall give to Administrative Agent prompt written notice thereof. Each Obligor hereby authorizes Administrative Agent to modify this Agreement by noting any future acquired

Patents, Marks, Copyrights on Schedule A, B or D and any Licenses and licensed Patents, Marks or Copyrights on Schedules C or E, as applicable; provided, however, that the failure of Administrative Agent to make any such notation shall not limit or affect the obligations of any Obligor or rights of Administrative Agent or any Lender hereunder.

6. Royalties; Terms. Each Obligor hereby agrees that the security interest of Administrative Agent, for the benefit of itself and the other Secured Parties, in all Patents, Marks, Copyrights and Licenses as described above shall be worldwide (or in the case of the Patents, Marks and Copyrights licensed to an Obligor such smaller geographic location if any is specified for such Obligor's use in the applicable License) and, without any liability for royalties or other related charges from Administrative Agent to such Obligor. The term of the security interest granted herein shall extend until the earlier of (i) the expiration of each of the respective Patents, Marks, Copyrights and Licenses assigned hereunder, or (ii) satisfaction in full of the Liabilities (other than (i) Unasserted Contingent Indemnification Claims, and (ii) Banking Services Liabilities that, in the case of this clause (ii), have been cash collateralized in amounts, and pursuant to agreements, in form and substance satisfactory to TCF) and termination of Lenders' commitments to extend credit under the Credit Agreement.

7. Inspection. In accordance with the terms of the Credit Agreement, Administrative Agent or any Lender shall have the right to inspect any Obligor's premises and to examine any Obligor's books, records and operations, including, without limitation, any Obligor's quality control processes. From and after the occurrence and during the continuance of a Default and notice by Administrative Agent to each Obligor of Administrative Agent's intention to enforce its rights and claims against any of the Patents, Marks, Copyrights and Licenses, each Obligor agrees that Administrative Agent, or a conservator appointed by Administrative Agent, shall have the right to establish such additional product quality controls as Administrative Agent or said conservator, in its sole judgment, may deem necessary to assure maintenance of the quality of products sold by such Obligor under the Marks consistent with the quality of products now manufactured by such Obligor.

8. Termination of Each Obligor's Interest. This Agreement is made for collateral purposes only. Upon satisfaction in full of the Liabilities (other than (i) Unasserted Contingent Indemnification Claims, and (ii) Banking Services Liabilities that, in the case of this clause (ii), have been cash collateralized in amounts, and pursuant to agreements, in form and substance satisfactory to TCF) and termination of Lenders' commitments to extend credit under the Credit Agreement, subject to any disposition thereof which may have been made by Administrative Agent pursuant hereto or pursuant to any of the other Financing Agreements, the security interest granted hereunder shall automatically be extinguished. Administrative Agent shall, at the request of any Obligor and at each Obligor's reasonable expense, execute and deliver to such Obligor, all termination statements and other instruments as may be necessary or proper to evidence the termination of Administrative Agent's security interest granted to Administrative Agent pursuant to this Agreement, subject to any disposition thereof which may have been made by Administrative Agent pursuant hereto or pursuant to any of the other Financing Agreements. Any such termination statements and instruments shall be without recourse upon or warranty by Administrative Agent.

9. **Duties of the Obligor.** Except to the extent the same is no longer material to such Obligor's business, each Obligor shall have the duty, as determined in such Obligor's reasonable discretion, (i) to prosecute diligently any application with respect to Patents, material Marks and material Copyrights, in each case pending as of the date hereof or hereafter, (ii) to make application on unpatented but patentable inventions and on registerable but unregistered trademarks, service marks and copyrights, and (iii) to preserve, maintain and enforce against infringement all material rights in patent applications and patents constituting the Patents, in material trademark or service mark applications, trademarks, service marks, and trademark or service mark registrations constituting the Marks, and in material copyright applications, copyrights and copyright registrations constituting the Copyrights. Any expenses incurred in connection with the foregoing (including, but not limited to, maintenance or renewal fees) shall be borne by the Obligor. Except to the extent the same is no longer material to such Obligor's business, each Obligor shall not abandon any pending patent application, trademark application, copyright application, service mark application, patent, trademark, service mark or copyright without the written consent of the Required Lenders.

10. **Administrative Agent's Right to Sue.** From and after the occurrence and during the continuance of a Default, Administrative Agent shall have the right, but shall in no way be obligated, to bring suit in its own name to enforce the Patents, the Marks, the Copyrights and the Licenses, and any licenses thereunder, and, if Administrative Agent shall commence any such suit, each Obligor shall, at the request of Administrative Agent, do any and all lawful acts and execute any and all proper documents reasonably required by Administrative Agent in aid of such enforcement, and each Obligor shall promptly, upon demand, reimburse and indemnify Administrative Agent for all reasonable costs and expenses incurred by Administrative Agent in the exercise of its rights under this Section 10.

11. **Waivers.** No course of dealing between any Obligor and Administrative Agent or any Lender, nor any failure to exercise, nor any delay in exercising, on the part of Administrative Agent or any Lender, any right, power or privilege hereunder shall operate as a waiver thereof; nor shall any single or partial exercise of any right, power or privilege hereunder or thereunder preclude any other or further exercise thereof or the exercise of any other right, power or privilege.

12. **Severability.** The provisions of this Agreement are severable, and if any clause or provision shall be held invalid and unenforceable in whole or in part in any jurisdiction, then such invalidity or unenforceability shall affect only such clause or provision, or part thereof, in such jurisdiction, and shall not in any manner affect such clause or provision in any other jurisdiction, or any other clause or provision of this Agreement in any jurisdiction.

13. **Modification.** This Agreement cannot be altered, amended or modified in any way, except as specifically provided in Section 5 hereof or by a writing signed by the parties hereto.

14. **Further Assurances.** Each Obligor shall execute and deliver to Administrative Agent, at any time or times hereafter at the request of Administrative Agent, all papers (including, without limitation, any as may be deemed desirable by Administrative Agent for filing or recording with any Patent and Trademark Office, and any successor thereto) and take all

such actions (including, without limitation, paying the cost of filing or recording any of the foregoing in all public offices reasonably deemed desirable by Administrative Agent), as Administrative Agent may request, to evidence Administrative Agent's interest in the Patents, Marks, Copyrights and Licenses and the goodwill associated therewith and enforce Administrative Agent's rights under this Agreement.

15. Cumulative Remedies; Power of Attorney; Effect on Financing Agreements.

All of Administrative Agent's and each Lender's rights and remedies with respect to the Patents, Marks, Copyrights and Licenses, whether established hereby, by any of the Financing Agreements or otherwise, or by any other agreements or by law shall be cumulative and may be exercised singularly or concurrently. Each Obligor hereby constitutes and appoints Administrative Agent as such Obligor's true and lawful attorney-in-fact, with full power of substitution in the premises, with power at any time after the occurrence and during the continuance of a Default, to (i) endorse such Obligor's name on all applications, documents, papers and instruments determined by Administrative Agent as necessary or desirable for Administrative Agent in the use of the Patents, Marks, Copyrights and Licenses, (ii) take any other actions with respect to the Patents, Marks, Copyrights and Licenses as Administrative Agent deems in good faith to be in the best interest of Administrative Agent, (iii) grant or issue any exclusive or non-exclusive license under the Patents, Marks or Copyrights to any Person, or (iv) assign, pledge, convey or otherwise transfer title in or dispose of the Patents, Marks, Copyrights or Licenses to any Person. Each Obligor hereby ratifies all that such attorney shall lawfully do or cause to be done by virtue hereof. This power of attorney shall be irrevocable until the Liabilities (other than (i) Unasserted Contingent Indemnification Claims, and (ii) Banking Services Liabilities that, in the case of this clause (ii), have been cash collateralized in amounts, and pursuant to agreements, in form and substance satisfactory to TCF) shall have been satisfied in full and the Lender's commitments to extend credit under the Credit Agreement shall have been terminated. Each Obligor acknowledges and agrees that this Agreement is not intended to limit or restrict in any way the rights and remedies of Administrative Agent under the Credit Agreement or any of the Financing Agreements but rather is intended to facilitate the exercise of such rights and remedies. Administrative Agent shall have, in addition to all other rights and remedies given it by the terms of this Agreement, all rights and remedies allowed by law and the rights and remedies of a secured party under the Uniform Commercial Code as enacted in any jurisdiction in which the Patents, Marks, Copyrights or Licenses may be enforced. Each Obligor hereby releases the Administrative Agent and each Lender from any and all claims, causes of action and demands at any time arising out of or with respect to any actions taken or omitted to be taken by the Administrative Agent under the powers of attorney granted herein.

16. Binding Effect; Benefits. This Agreement shall be binding upon each Obligor and its respective successors and assigns and shall inure to the benefit of Administrative Agent, each Lender and their respective successors, assigns and nominees.

17. Governing Law. THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH, AND ANY DISPUTE BETWEEN THE PARTIES HERETO ARISING OUT OF, CONNECTED WITH, RELATED TO, OR INCIDENTAL TO THE RELATIONSHIP ESTABLISHED BETWEEN THEM IN CONNECTION WITH THIS AGREEMENT, AND WHETHER ARISING IN CONTRACT, TORT, EQUITY, OR OTHERWISE, SHALL BE RESOLVED IN ACCORDANCE WITH THE INTERNAL LAWS

OF THE STATE OF NEW YORK (INCLUDING SECTIONS 5-1401 AND 5-1402 OF THE NEW YORK GENERAL OBLIGATIONS LAW, BUT EXCLUDING ALL OTHER CHOICE OF LAW AND CONFLICTS OF LAW RULES).

18. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. The delivery of an executed counterpart of a signature page or acceptance to this Agreement by telecopier or other electronic transmission shall be effective as delivery of a manually executed counterpart of this Agreement.

[signature page follows]

IN WITNESS WHEREOF, the parties hereto have entered into this Amended and Restated Patent, Copyright, License and Trademark Security Agreement as of the date first above written.

GED PURCHASER, INC.

By: 
Name: William Weaver
Title: President

GED INTEGRATED HOLDINGS, INC.

By: 
Name: William Weaver
Title: President

GED INTEGRATED SOLUTIONS, INC.

By: 
Name: William Weaver
Title: President

NORFIELD ACQUISITION, LLC

By: 
Name: William Weaver
Title: President

The undersigned accepts and agrees to the foregoing Amended and Restated Patent, Copyright, License and Trademark Security Agreement as of the date first written above.

TCF NATIONAL BANK, as Administrative Agent

By: _____
Name: KC Beuker
Title: Senior Vice President

IN WITNESS WHEREOF, the parties hereto have entered into this Amended and Restated Patent, Copyright, License and Trademark Security Agreement as of the date first above written.

GED PURCHASER, INC.

By: _____
Name: _____
Title: _____

GED INTEGRATED HOLDINGS, INC.

By: _____
Name: _____
Title: _____

GED INTEGRATED SOLUTIONS, INC.

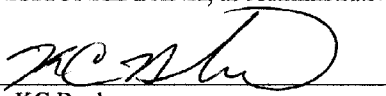
By: _____
Name: _____
Title: _____

NORFIELD ACQUISITION, LLC

By: _____
Name: _____
Title: _____

The undersigned accepts and agrees to the foregoing Amended and Restated Patent, Copyright, License and Trademark Security Agreement as of the date first written above.

TCF NATIONAL BANK, as Administrative Agent

By: 
Name: KC Beuker
Title: Senior Vice President

Schedule A
Patents and Patent Applications

See attached.

US Patent Title	File/Patent #	Filed Date	Priority Date	Date Issued	Date Expired
Notched Muntin Bars Having Two Finishes	6,708,384 B2	10/11/2001	10/11/2001	3/24/2004	10/11/21
Glass Washing Machine	USD489848	10/16/2002	10/16/2002	5/11/2004	10/16/22
Air Knife and Conveyor System	6,742,285	1/27/2003	1/27/2003	6/1/2004	01/27/23
System for Fabricating Contour Muntin Bars from Sheet Material	6,883,278	8/20/2003	8/20/2003	4/26/2005	08/20/23
Laminating Preformed Muntin Bars	6,899,416	1/9/2004	1/9/2004	5/10/2005	01/09/24
Method and Apparatus for processing Sealant of an insulating glass unit	6,926,782	6/27/2002	6/27/2002	8/9/2005	06/27/22
Window and Door Manufacturing Method and Apparatus	6,954,676	6/18/2002	6/18/2002	10/11/2005	06/18/22
Method and Apparatus for Applying Aligned Tape Patterns	7,105,068	8/20/2004	8/20/2004	9/12/2006	08/20/24
Glass washing machine with conveyor and brush speed control	7,232,493	9/11/2003	9/11/2003	6/19/2007	11/16/24
Decorative Tape	7,195,824	8/20/2004	8/20/2004	3/27/2007	08/20/24
Glass Production Sequencing	7,167,767	1/5/2004	8/22/2003	1/23/2007	08/22/23
Desiccant Dispensing System	7,275,570	8/20/2004	8/20/2004	10/2/2007	04/16/25
Glass Treatment System and Method	7,273,406	4/21/2005	4/21/2005	1/23/2007	04/21/25
Glass Washing Machine with Conveyor and Brush Speed Control - Divisional	US2007-0192974-A1	4/24/2007	2/26/2003	1/23/2007	02/26/23
Method and Apparatus for processing Sealant of an insulating glass unit	7,422,650	4/19/2005	6/27/2002	9/9/2008	06/27/22
Window Component Stock Transferring	7,445,682	3/21/2005	3/21/2005	11/4/2008	04/28/26
Glass Washing Machine with Conveyor and Brush Speed Control	7,503,090	4/24/2007	9/11/2003	3/17/2009	09/11/23
Glass Washing System with Broken Glass Removal System	7,531,044	10/26/2005	2/26/2003	5/12/2009	02/26/23
Window Component Scrap Reduction	8,720,026	3/21/2005	38432	5/13/2014	11/26/25
Window Component Scrap Reduction	7,802,365	3/21/2005	3/21/2005	9/28/2010	03/24/29
Window Component Including Pusher for Scrap Removal	7,866,033	3/21/2005	3/21/2005	1/11/2011	03/26/29
Window Component Stock Transferring - Divisional	7,901,526	3/21/2005	3/21/2005	3/8/2011	09/25/25
Glass Washing Machine w/Broken Glass Removal System	7,727,336	4/17/2009	2/26/2003	11/3/2009	02/26/23
System and Method for Cleaning Window Frames After Learning their Unknown Profile	7,921,064 B2	10/10/2006	10/10/2006	11/3/2009	10/10/26
Glass Washing Machine with Broken Glass Removal System	7,980,259	4/17/2009	2/26/2003	7/19/2011	02/26/23
Staging System for Automated Window of Door Fabrication	7,955,458	7/11/2007	7/11/2007	6/7/2011	07/11/27
Window Frame Corner Fabrication	7,448,246 B2	5/2/2006	5/2/2006	5/11/2008	12/15/26
Muntin Bar Clip and Muntin Bar Assembly	8,001,742	8/16/2006	8/16/2006	8/23/2011	08/16/26
Multiple Configuration Joiner Clip	8,015,763	12/2/2008	12/2/2008	9/13/2011	12/02/28
Window Component Stock Indexing	8,056,234	8/7/2009	3/21/2005	11/15/2011	07/25/25
Window Processing Having Inspection and Compensation	8,250,023	3/11/2011	10/1/2007	8/21/2012	10/01/27
Desiccant Dispensing System	8,474,400	10/30/2009	3/21/2005	7/2/2013	08/04/27
Method and Apparatus for Processing Sealant of an Insulating Glass Unit	8,512,501	1/17/2012	6/27/2002	7/2/2013	06/27/22
Efficient Assembly of Triple Pane Windows	8,726,487	4/22/2010	5/12/2009	5/10/2014	05/12/29
Efficient Assembly of Insulating Glass Windows	8,813,337	11/9/2011	10/22/2010	8/26/2014	10/22/30
Window Component Stock Indexing	8,904,611	10/30/2011	3/21/2005	12/9/2014	09/29/25
Efficient Assembly of Triple Pane Windows	9,416,583	4/10/2014	4/22/2010	8/16/2016	04/22/30
Apparatus for Efficient Assembly of Multi-pane Insulating Glass Windows	9,534,439	7/18/2014	11/9/2011	8/16/2016	11/09/31
Fluid Application System and Method	9,421,794	5/20/2013	5/1/2013	8/16/2016	05/01/33
Apparatus for Efficient Assembly of Multi-pane Insulating Glass Windows	9,534,439	7/18/2014	7/18/2014	8/16/2016	07/18/34
Window Component Stock Indexing	9,212,515	11/14/2014	3/21/2005	12/15/2015	09/29/25
Spacer Frame and Method of Making the same	9,428,953	5/4/2015	6/12/2014	8/30/2016	12/21/34
Spacer Frame and Method of Making the same	10,316,578	8/1/2016	5/4/2015	6/11/2019	05/04/35
Automated Spacer Frame Fabrication	9,279,283	6/10/2011	6/10/2011	3/8/2016	06/05/31
Automated Spacer Frame Fabrication and Method	9,765,564	3/6/2014	3/6/2014	9/19/2017	05/27/35
Apparatus and Method for Processing Sealant of an Insulated Glass Unit	9,834,980	8/16/2013	6/27/2002	12/5/2017	06/27/22
Fluid Application System and Method	9,849,701	8/1/2016	5/1/2013	12/17/2017	05/01/33
Window Spacer Frame Locking Member - Design Patent	D824,747 S	9/20/2016	9/20/2016	8/7/2018	08/07/33
Material Detection System	10,156,515	1/13/2017	1/13/2017	12/18/2018	01/13/37
Window Spacer Frame Crimping Assembly	10,184,290	9/14/2016	9/14/2016	12/18/2018	02/16/37
Tactile Spacer Frame Assembly and Locking Member	10,267,083	9/29/2017	9/29/2017	4/23/2019	09/29/37
Window Spacer Frame Punch Assembly	10,352,090	9/14/2016	9/14/2016	7/16/2019	01/13/37
Apparatus and Method of Sealing an IGU	10,352,091	3/12/2015	3/12/2015	7/16/2019	01/22/36
Automated Spacer Frame Fabrication	10,369,617	2/2/2016	6/10/2011	8/6/2019	12/10/32
File Translator System	10,414,051	11/10/2015	11/10/2015	9/17/2019	11/10/35
Window Spacer Frame Locking Member - Design Patent - Divisional	D867105	6/18/2018	6/18/2018	11/19/2019	11/15/33
Spacer Frame and Method of Making the same	10,533,367	11/8/2017	5/4/2015	1/14/2020	08/24/35
A Window Processing System and Method	10,562,192	8/14/2014	8/29/2014	2/18/2020	06/13/37
Automated Spacer Frame Fabrication and Method	10,577,856	8/1/2017	3/6/2014	3/3/2020	11/24/34
Registration Station for Assembling Insulating Glass	10,648,244	11/28/2016	4/22/2010	5/12/2020	01/14/31
Fluid Application System and Method	10,632,722	11/8/2017	5/20/2013	4/28/2020	05/20/33
Insulating Glass Unit Fluid Exchange Assembly and Method	10,738,528	8/1/2018	8/1/2018	8/11/2020	08/01/38
Insulating Glass Unit Final Sealing Assembly Method	10,828,659	5/3/2019	5/3/2017	11/20/2020	05/03/37
Muntin Cross Joiner Clip	D902,023	2/8/2019	2/8/2019	11/17/2020	02/08/34
Copnveyor and Method of Manufacture	10,837,224	1/22/2019	1/22/2019	11/17/2020	01/22/39
Thermally Efficient Window Frame	10,920,480	1/26/2018	1/26/2018	2/16/2021	11/10/40

US Patents Pending

US Patent Title	File/Patent #	Filed Date	Priority Date	Date issued	Date Expired
Conveyor And Method of Manufacture	62/750,856	11/12/2018	11/12/2018		
Insulating Glass Unit Fluid Exchange Assembly and Method	16/822,001	7/20/2020	8/1/2017		
Insulating Glass Unit Final Sealing Assembly Method	17/674,130	10/19/2020	6/30/2018		
Spacer Frame and Method of Making the same	14/703,627	5/4/2015	6/12/2014		
Spacer Frame and Method of Making the same	18/719,120	12/15/2019	6/12/2014		
Efficient Assembly of Insulating Glass Windows	15/210,544	7/14/2016	4/22/2016		
File Translator System	62/561,220	11/15/2014	4/16/2015		
Efficient Assembly of Triple Pane Windows	15/210,544	7/14/2016	4/22/2016		
Efficient Assembly of Triple Pane Windows (Divisional)	16/409,951	6/12/2018	4/22/2016		
Automated Spacer Frame Fabrication	16/517,069	2/2/2016	7/19/2019		
Thermally Efficient Window Frame	17/150,576	1/16/2021	9/5/2017		
Tactile Spacer Frame Assembly and Locking Member	18/265,869	3/7/2019	6/29/2017		
Conveyor and Method of Manufacture	62/820,116	1/22/2018	1/22/2018		
Insulating Glass Unit Plug and Installation Method	62/629,766	2/10/2018	2/13/2018		
Insulating Glass Unit Plug and Installation Method	18/273,908	2/12/2019	8/1/2018		
Muntin Assembly and Method of Manufacture	18/765,724	2/19/2020	2/8/2019		
IGU Coating Assembly and Method of Operation	63/443,288	6/24/2020	6/24/2020		
Improved Spacer Frame With Rising Locking Member	62/066,934	8/18/2020	8/18/2020		
Spacer Frame Joiner Clip and Method of Use	62/196,504	10/28/2020	10/28/2020		

Canadian Patent Title					
Automated Spacer Frame Fabrication	2,807,032	6/10/2011	6/10/2011	1/12/2019	06/10/31
Desiccant Dispensing System and Method	2,500,480	3/11/2005	3/11/2005	12/15/2009	03/11/25
Method and Apparatus for Processing Sealant of an Insulating Glass Unit	2,475,557	8/4/2004	8/4/2004	6/10/2010	08/04/24
Method and Apparatus for Processing Sealant of an Insulating Glass Unit	2,723,052	8/4/2004	8/4/2004	9/24/2013	08/04/24
Controlled Dispensing of Material	2,364,334	12/5/2001	12/5/2001	6/10/2010	12/05/21
Controlled Dispensing of Material	2,455,353	1/6/2004	1/16/2004	11/19/2013	01/06/24
GLASS WASHING MACHINE WITH CONVEYOR AND BRUSH SPEED CONTROL	2,433,153	9/26/2003	9/11/2003	4/29/2011	09/26/23
GLASS WASHING MACHINE WITH CONVEYOR AND BRUSH SPEED CONTROL	2,433,153	9/26/2003	9/26/2003	12/6/2012	09/26/23
Window Component Stock Indexing	2,509,118	3/21/2005	3/21/2005	1/8/2013	03/21/25
Window Component Stock Indexing	2,872,219	3/21/2005	3/21/2005	4/18/2017	03/21/25
Glass Optimization	2,467,436	5/17/2004	5/17/2004	9/28/2004	05/17/24
Window Component Scrap Reduction	2,520,237	3/21/2005	3/21/2005	6/25/2013	03/21/25
Window Component Stock Trasfering	2,520,329	9/21/2005	9/19/2005	6/25/2013	09/21/25
Automated Spacer Frame Fabrication	2,745,772	6/10/2011	6/10/2011	6/11/2013	06/10/31
Multiple Configuration Joiner Clip	2,665,965	5/13/2009	5/13/2009	11/19/2013	05/13/29
Muntin Bar Clip and Muntin Bar Assembly	2,579,978	2/28/2007	2/28/2007	9/20/2013	02/28/27
Controlled Dispensing of Material - Divisional	2,826,721	1/16/2004	1/16/2004	5/12/2015	1/16/2024
Window Component Stock Indexing Div 1	2,791,859	6/2/2005	6/20/2005	2/17/2015	6/2/2025
Window Component Including Pusher for Scrap Removal Div. 1	2,389,712	3/21/2005	3/21/2005	3/17/2015	3/21/2025
Window Component Including Pusher for Scrap Removal	2,507,308	5/12/2005	5/12/2005	11/20/2012	5/12/2025
Air Knife and Conveyance System	2,828,542	9/26/2013	3/18/2004	12/15/2015	09/26/33
Apparatus for Processing Sealant of an Insulating Glass Unit	2,814,739	6/26/2003	6/26/2003	10/20/2015	06/26/23
Window Component System including pusher for scrap removal	2,789,712	3/21/2005	3/21/2005	3/17/2015	3/21/2025
Flexible Clip	2,597,299	2/10/2006	2/10/2006	3/7/2017	02/10/26
Glass Production Sequencing	2,476,713	8/6/2004	8/6/2004	12/1/2015	08/06/24
Efficient Assembly of Triple Pane Windows	2,985,280	5/11/2010	5/12/2009	1/21/2020	05/11/30
Efficient Assembly of Insulating Glass Windows	2,757,725	11/10/2011	4/22/2010	4/22/2019	11/10/31
Window Component Including Pusher for Scrap Removal Div 2	2,875,561	12/23/2014	5/12/2005	9/16/2016	12/23/34
Spacer Frame and Method of Making Same	2,950,407	5/12/2015	5/12/2005	3/12/2019	05/12/35
Efficient Assembly of Triple Pane Windows	2,703,434	5/11/2010	5/12/2009	3/12/2019	05/11/30
Automated Spacer Frame Fabrication and Method	3,033,930	11/10/2011	11/10/2011	TBD	11/10/31

Canadian Patents Pending					
System For Fabricating Contour Muntin Bars from Sheet Material	2,310,992	6/8/2009			
System for Fabricating Muntin Bars From Sheet Material	2,228,581	2/4/2008			
Notched Muntin Bars Having Two Finishes	2,398,648	1/25/2002			
Laminated Muntin Bar and Method and Apparatus	2,398,349	1/17/2002			
Glass Washing Machine	28/188,219	10/16/2002			
Glass Washing Machine	102056	3/7/2003			
Air Knife and Conveyance System	2,422,479	3/18/2004			
Glass Washing Machine with broken glass removal system	2,422,590	3/18/2003			
Method and Apparatus for Applying Ductile Tape	2,469,766	12/19/2004			
Decorative Tape	2,469,756	12/19/2004			
Method and Apparatus for Aligning Tape Patterns	2,469,769	12/19/2004			
System for Fabricating Muntin Bars from Sheet Material	2,559,662	7/6/2006			
Apparatus and Method for Applying Decorative Material to a Component	TBD	8/26/2011	8/13/2011		
Shield for Insulating Glass Oven Remitter	5,402,734	12/20/2006	12/20/2006		
Automated Spacer Frame Fabrication	2,745,722	7/6/2011	7/6/2011		
Apparatus and Method for Applying Decorative Material to a Component	GED-613886 CA DRD	7/29/2011	7/29/2011		
Window Spacer Frame Gripper Assembly	2,997,559	9/16/2018			
Apparatus for Processing Sealant of an Insulating Glass Unit	2,814,739	6/26/2003	6/26/2003		
Flexible Film Heated Roller	13/403,526	4/11/2012	4/11/2012		

US Patent Title	File/Patent #	Filed Date	Priority Date	Date issued	Date Expired
Apparatus and Method for Processing Sealant of an Insulating Glass Unit	2,723,652	8/26/2003	5/29/2003		
Efficient Assembly of Triple Pane Windows	2,703,434	5/11/2010	5/12/2008		
Efficient Assembly of Triple Pane Windows	3,063,673	12/4/2010	5/11/2011		
Window Spacer Frame Punch Assembly	2,997,554	9/15/2010	9/15/2010		
App and Method for Guiding Film	2,788,315	9/10/2012	9/10/2012		
Automated Spacer Frame Fabrication and Method	3,030,123	7/8/2011	7/8/2011		
Automated Spacer Frame Fabrication and Method	3,030,123	3/29/2021	7/8/2011		
Material Detection system	3,032,357	1/13/2017	1/13/2017		
Insulating Glass Unit Fluid Exchange Assembly and Method	3,061,360	5/3/2018	5/3/2018		
Insulating Glass Unit Fluid Exchange Assembly and Method	3,061,359	8/1/2018	8/1/2018		
File Translator System	2,868,234	11/1/2018	11/1/2018		
Thermally Efficient Window Frame	3,674,701	3/12/2020			
Tactile Spacer Frame Assembly and Locking Member	3,037,812	9/29/2017	9/29/2017		

EU Patents					
Window Component Stock Transferring - CZ, DE, GB, HU, IE and PL	EP1643074	9/21/2005	9/21/2005	1/4/2017	09/21/25
Laminated Muntin Bar Method and Apparatus-GB, FR, DE, IT, SP	EP 1231251	1/28/2002	2/12/2001	12/3/1997	02/12/21
Window Component System Including Pusher for Scrap Removal-CZ, DE, GB, HU and IE	1,642,658	3/21/2005	3/21/2005	12/12/2007	03/21/25
Window Component Stock Transferring - CZ, DE, GB, HU, IE and PL	1643074.0	9/29/2005	9/29/2005	12/3/1997	09/29/25
Controlled Dispensing of Material- DE, GB and IE	EP1213431A3	12/7/2001		11/14/2007	
Efficient Assembly of a Triple Pane Window-CZ, DE, GB, HU, PL and IE	EP2253791	4/10/2010	12/5/2009	11/1/2017	12/05/29
Efficient Assembly of Insulating Glass Windows	EP2776653	9/14/2014	12/20/2011	9/2/2020	12/20/31
Automated Spacer Frame Fabrication and Method-CZ, DE, GB, HU, IE and PL	2969287	10/5/2015	3/7/2014	5/8/2019	03/07/34
Spacer Frame and Method of Making Same- RU	2692886	1/17/2017	5/12/2015	6/28/2019	05/12/35
Window Spacer Frame Punch Assembly-CZ, DE, GB, HU, IE and PL	3,349,953	9/14/2016	9/14/2016	9/2/2020	09/14/36
Automated Spacer Frame Fabrication-CZ, DE, GB, HU, IE and PL	2,407,626	7/7/2011	6/10/2011	4/22/2020	06/10/31
Material Detection System--FR, CZ, DE, GB, HU, IE and PL	3,402,627	1/3/2017	1/3/2017	10/21/2020	01/03/37
Window Component Scrap Reduction- CZ, DE, GB, HU< IE and PL	EP1643073	3/21/2005	3/1/2005	10/21/2020	03/01/25

EU Patents Pending					
Method and Apparatus for Processing Sealant of an Insulating Glass Unit	3742205	5/8/2004			
Method and Apparatus for Processing Sealant of an Insulating Glass Unit	10181836.7	9/29/2010			
Method and Apparatus for Applying Durable Tape	429391.2	12/10/2004			
Method and Apparatus for Aligning Tape Patterns	4030195.8	12/10/2004			
Window Component Scrap Transferring	EP05106723.7	9/29/2005			
Window Component Scrap Reduction- CZ, DE, GB, HU< IE and PL	EP1643073	3/19/2005			
Window Processing having inspection and compensation	08664564 0-1253	3/11/2008			
Multiple Configuration Joiner Clip	61052,685	3/13/2008	3/13/2008		
Apparatus and Method for Applying Decorative Material to a Component	11,176,018	7/26/2011	7/26/2011		
Automated Spacer Frame Fabrication	11,173,089	7/7/2011	7/7/2011		
Decorative Transfer Method and Apparatus	PC17U610463022	07/29/2010	07/29/2010		
Flexible Film Heated Roller	1218143.6	4/4/2012	4/4/2012		
Fluid Application System and Method	PC17U61341973	5/21/2013	5/21/2013		
Fluid Application System and Method	10793101.9-1791	12/18/2014	5/21/2013		
Decorative Transfer Method and Apparatus	166050015.4	2/8/2012	2/8/2012		
Automated Spacer Frame Fabrication and Method	PC17U6301421741	3/7/2014	3/7/2014		
Spacer Frame and Method of Making Same	PC17U6301500316	10/5/2015	5/12/2035		

US Patent Title	File/Patent #	Filed Date	Priority Date	Date issued	Date Expired
Spacer Frame and Method of Making Same		1/11/2017			
Window Cleaning System and Method	PCT/US2014/03476	8/29/2014	8/29/2014		
File Translator System	15861178	5/16/2017			
File Translator System	PCT/US2015/00110	11/16/2015			
File Translator System	14940335.9	03/21/2016	3/21/2016		
File Translator System	14940335.9	03/21/2016	3/21/2016		
Window Spacer Frame Crimping Assembly	PCT/US15/51921	9/15/2015	9/15/2015		
Spacer Frame and Method of Making Same - Russia	2,017,100,468	1/11/2017			
Tactile Spacer Frame Assembly and Locking Member	PTC/US,2017/54596	9/29/2017	9/29/2017		
Insulating Glass Unit Fluid Exchange Assembly and Method	PTC/US,2016/44605	8/1/2016	8/1/2016		
Thermally Efficient Window Frame	PTC/US16/49462	8/1/2016	8/29/2016		
Thermally Efficient Window Frame	18854919.0	3/16/2020			
Insulating Glass Unit Plug and Installation Method	PCT/US16/17764	2/13/2016	8/1/2016		
Insulating Glass Unit Final Sealing Assembly and Method	18794497.2	10/9/2019			

Mexico					
Flexible Film Application for Decorative Coatings	318,581	8/12/2011	8/12/2011	3/18/2014	08/12/31
Automated Spacer Frame Fabrication	372235	7/15/2011	6/10/2011	3/14/2020	06/10/31
Fluid Application System and Method	370508	11/4/2016	5/21/2013	3/18/2014	05/21/33

MX Patents Pending					
Muntin Grid and Joiner	14-883MX	1/20/1999			
Window Cleaning System and Method	MX/A/2016/002817	2/26/2016			
File Translator System	MX/A/2017/0036484	11/15/2015			
Window Spacer Frame Crimping Assembly	MX/A/2016/003214	9/15/2016			
Material Detection System	MX/A/2016/00572	1/10/2017			
Insulating Glass Unit Final Sealing Assembly and Method	MX/A/2019/01396	5/3/2018			
Insulating Glass Unit Final Sealing Assembly and Method	MX/A/2020/001931	1/21/2020			
Window Spacer Frame Crimping Assembly	MX/A/2016/00321		9/14/2016		
Tactile Spacer Frame Assembly and Locking Member	MX/A/2020/01909732	9/29/2017	9/29/2017		
Fluid Application System and Method	MX/A/2019/015145	5/21/2013			
Thermally Efficient Window Frame	MX/A/2020/002473	3/4/2020			
Insulating Glass Unit Plug and Installation Method	MX/A/2020/008461	8/12/2020			

China					
Apparatus and Method for applying decorative material to a component	201,110,286,460	8/12/2011	8/12/2011	6/1/2016	08/12/31
Automated Spacer Frame Fabrication and Method	201480027882.9	3/7/2014	3/7/2014	1/30/2018	03/07/34

China Pending					
Window Processing Having Inspection and Compensation	CPME0641066	3/28/2006	3/28/2006		
Automated Spacer Frame Fabrication and Method	PCT/US2014/021741	11/13/2015	11/13/2015		

Korea					
Flexible Film Application For Decorative Coatings	1,020,110,680,548	8/12/2011			

Schedule B

Copyrights

Copyright	Registration No.	Registration Date
WinIG 5, version 5.00.43 and 67 other titles.	V9925D554	2015
WinIG 5, revision 5.0043 and 67 other titles.	V9925D555	2015
WinIG 5, version 5.00.43.	TX0007475322	2011
WinCut II software operational manual & 65 other titles.	V3529D426	2005
Wincut II software operational manual	TX5532951	10/31/2001
WinIG software	TX5421259	07/26/2001
Winframe II software operations manual	TX5420462	07/23/2001
ContourGrid system and WinContour software	TX5174728	03/27/2000
GED WinDelete	TX5169662	03/27/2000
Linear positioner and WinLP software	TX5169659	03/27/2000
Intergrid: Intergrid system and WinGrid II software operation manual	TX5125925	01/18/2000
Screen Frame machine and WinScreen software	TX5129356	01/14/2000
ContourGrid: Contour Grid system and WinContour software	TX5129355	04/14/2000
CIM Colonial muntin machine and WinGrid operation manual	TX5010054	1999
WinIG software	TX5101704	12/17/1999
GED WinCut II software	TX5100348	12/10/1999
WinFrame II software	TX5113966	01/06/2000
GED WinCut: version 1.08	TX5012461	07/06/1999
WinFrame: version 1.08	TX5014228	07/06/1999
InterGrid system and WinGrid II software	TX5012842	07/06/1999
GED WinCut II software	TX4977817	04/16/1999
WinFrame II software	TX4972548	04/16/1999
WinIG software	TX4972377	04/16/1999
WinDelete GED	TX4767053	04/17/1998
GED WinCut II software	TX4772581	04/08/1998
CIM colonial muntin machine and WinGrid operation manual	TX4769807	04/10/1998
InterGrid and WinGrid II	TX4775493	05/13/1998
GED WinCut	TX4752275	04/08/1998
WinFrame II	TX4745055	03/24/1998
WinIG version 2.00	TX4757483	04/06/1998
WinFrame II: version 4.00	TX4635959	09/18/1997
WinFrame II software operation manual	TX4550007	09/08/1997
WinFrame II software operation manual	TX4489157	02/24/1997
WinCut 1.05	TX4524767	04/08/1997

Copyright	Registration No.	Registration Date
WinCut 1.05	TX4533097	04/09/1997
WinFrame 1.05	TX4523126	04/07/1997
WinFrame software operation manual	TX4270017	02/24/1997
WinGrid 1.05	TX4507975	04/08/1997
WinIG: version 1.05	TX4498710	02/19/1997
CIM colonial muntin machine and WinGrid operation manual	TX4498205	02/24/1997
GED WinCut: version 1.05	TX4486382	02/19/1997
CIM colonial muntin machine and WinGrid operation manual	TX4423051	08/01/1996
WinFrame software operation manual	TX4356053	08/22/1996
WinFrame software: version 1.01 : operation manual	TX4360204	08/22/1996
WinLP	TX4358819	08/23/1996
WinLP 1.00	TX4358818	08/23/1996
WinCut software operation manual	TX4355335	08/12/1996
WinCut software operation manual	TX4355334	08/12/1996
WinCut software operation manual	TX4355333	08/12/1996
WinLP software operation manual, version 1.00	TX4352166	08/23/1996
WinFrame software operation manual version 1.03	TX4360132	08/22/1996
WinFrame, 1.03	TX4355497	08/22/1996
WinFr 1.00	TX4355496	08/22/1996
WinFrame	TX4355495	08/22/1996
WinFrame 1.02	TX4355488	08/22/1996
WinIG 1.01.00	TX4347308	07/29/1996
WinIG software operation manual version 1.01	TX4347307	07/29/1996
WinIG 1.02.00	TX4340537	07/29/1996
WinDelete version 0.00.11	TX4337339	08/01/1996
WinCut : 1.03.03	TX4350168	08/12/1996
WinCut	TX4350167	08/12/1996
WinCut 1.02.00	TX4345760	08/12/1996
WinCut 1.03.00	TX4345759	08/12/1996
WinDelete software	TX4340812	08/01/1996
WinGrid	TX4340804	08/01/1996
WinCut	TX4340327	08/12/1996
WinCut	TX4340326	08/12/1996
WinIG software operation manual	TX4334682	07/29/1996
WinIG	TX4334646	07/29/1996
WinIG software operation manual	TX4334645	07/29/1996

Schedule C
Patent and Copyright Licenses

1. Joint Business Agreement, dated as of May 28, 1991, between Vitro Flat Glass LLC (“Vitro”) as successor-in-interest to PPG Industries, Inc. and GED, as amended by:
 - a. Amendment to Joint Business Agreement dated March 17, 2000;
 - b. Second Amendment to Joint Business Agreement dated February 1, 2005;
 - c. Third Amendment to Joint Business Agreement dated April 3, 2007;
 - d. Fourth Amendment to Joint Business Agreement dated March 20, 2013;
 - e. Fifth Amendment to Joint Business Agreement dated June 23, 2014
 - f. Sixth Amendment to Joint Business Agreement dated February 24, 2020 (collectively, the “Vitro Joint Business Agreement”).
2. Amended and Restated License Agreement, dated as of July 1, 2019, between Ashland Hardware, LLC and GED (the “Ashland License”)
3. Marketing Collaboration Agreement, dated as of April 1, 2014, between Ashland Hardware, LLC (f/k/a Nova Wildcat Ashland, LLC) and GED, as amended by First Amendment to Marketing Collaboration Agreement dated May 31, 2019 (the “Ashland Marketing Collaboration Agreement”).
4. Product Development Agreement, dated as of March 18, 2019, between Technoform Glass Insulation North America, Inc. and GED (the “Technoform Agreement”)
5. Software License Agreement dated August 5, 2015 between GED Integrated Solutions, Inc. and PPG Industries, Inc.

Schedule D
Trademarks, Service Marks

See attached.

Common Law Marks

NORFIELD



NORFIELD INNOVATIVE DOOR SOLUTIONS

Domain Names:

- a. gedusa.com
- b. geduk.com
- c. gedeuropa.com
- d. gedasiapac.com
- e. geddigital.com
- f. geddigital.net
- g. interceptultra.com
- h. sampsonautomation.com
- i. twindex.co
- j. twindex.info
- k. twindex.us.com
- l. twindexprinter.com
- m. ultraspacer.com
- n. ultraspacer.net
- o. interceptinside.com
- p. sampsonautonation.com

Schedule E
Trademark Licenses

None.

**SPECIAL POWER OF ATTORNEY
(Patent, Trademark, Copyright and License)**

STATE OF)
) SS.
COUNTY OF)

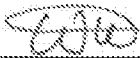
KNOW ALL MEN BY THESE PRESENTS, that GED Purchaser, Inc., a Delaware corporation ("Holdings"), GED Integrated Holdings, Inc., a Delaware corporation ("Intermediate Holdings"), GED Integrated Solutions, Inc., a Delaware corporation ("GED") and Norfield Acquisition, LLC, a Delaware limited liability company ("Norfield"; GED and Norfield are referred to herein, collectively, as "Borrowers" and, individually, as a "Borrower"; Holdings, Intermediate Holdings and Borrowers are referred to herein, collectively, as "Obligors" and, individually, as an "Obligor"), pursuant to that certain Amended and Restated Patent, Copyright, License and Trademark Security Agreement, dated as of May 21, 2021 (the "Collateral Agreement") among Obligors and TCF National Bank, in its capacity as administrative agent (in such capacity, the "Administrative Agent") for the lenders from time to time party to the Amended and Restated Credit Agreement referred to below (the "Lenders"), each hereby appoints and constitutes Administrative Agent its true and lawful attorney, with full power of substitution, and with full power and authority to perform the following acts on behalf of such Obligor at and during the time periods specified in the Collateral Agreement:

1. Assigning, selling or otherwise disposing of all right, title and interest of such Obligor in and to the patents, copyrights, licenses and trademarks listed on Schedules A, B, C, D and E of the Collateral Agreement, and including those patents copyrights and licenses which are added to the same subsequent hereto, and all registrations and recordings thereof, and all pending applications therefor, and for the purpose of the recording, registering and filing of, or accomplishing any other formality with respect to, the foregoing, and to execute and deliver any and all agreements, documents, instruments of assignment or other writings necessary or advisable to effect such purpose; and
2. To execute any and all documents, statements, certificates or other writings necessary or advisable in order to effect the purposes described above as Administrative Agent may in its sole discretion determine.

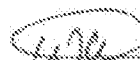
[signatures appear on next page]

This power of attorney is made pursuant to that certain Amended and Restated Credit Agreement, dated as of May __, 2021, among the Obligors, Lenders and Administrative Agent and may not be revoked until the payment in full of all liabilities and obligations of the Obligors under such Credit Agreement.

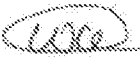
GED PURCHASER, INC.

By: 
Name: William Weaver
Title: President

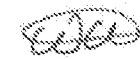
GED INTEGRATED HOLDINGS, INC.

By: 
Name: William Weaver
Title: President

GED INTEGRATED SOLUTIONS, INC.

By: 
Name: William Weaver
Title: President

NORFIELD ACQUISITION, LLC

By: 
Name: William Weaver
Title: President