503052747 11/07/2014

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| JAMES M. GREEN | 01/23/2012 |
| ALEXANDER SCHEPELMANN | 10/10/2013 |
| KATHRYN A. DALTORIO | 11/15/2013 |
| AMAURY D. ROLIN | 10/10/2013 |
| JONATHAN BENO | 11/25/2013 |
| BRADLEY E. HUGHES | 09/23/2013 |
| MICHAEL S. BRANICKY | 09/16/2013 |
| ROGER D. QUINN | 11/13/2013 |
| HENRY H. SNOW | 10/10/2013 |
| FRANCIS L. MERAT | 10/10/2013 |
| RICHARD E. HUDSON | 10/19/2013 |

RECEIVING PARTY DATA

| Name: | MTD PRODUCTS INC |
|--------------------------|--|
| Street Address: | 5903 GRAFTON ROAD |
| City: | VALLEY CITY |
| State/Country: | OHIO |
| Postal Code: | 44280 |
| | |
| Name: | CASE WESTERN RESERVE UNIVERSITY |
| Name: Street Address: | CASE WESTERN RESERVE UNIVERSITY 10900 EUCLID AVENUE |
| | |
| Street Address: | 10900 EUCLID AVENUE |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14282625 |

CORRESPONDENCE DATA

Fax Number: (216)642-8826

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.

Phone: (216) 642-3342 PATENT

503052747 REEL: 034127 FRAME: 0891

Email: whvipgroup@wegmanlaw.com

Correspondent Name: JASON A. WORGULL

Address Line 1: WEGMAN, HESSLER & VANDERBURG

Address Line 2: 6055 ROCKSIDE WOODS BOULEVARD, SUITE 200

Address Line 4: CLEVELAND, OHIO 44131

ATTORNEY DOCKET NUMBER: 040158 1788P2 US CON

NAME OF SUBMITTER: JASON A. WORGULL

SIGNATURE: /Jason A. Worgull/

DATE SIGNED: 11/07/2014

Total Attachments: 12

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PATENT REEL: 034127 FRAME: 0892

ASSIGNMENT

WHEREAS, I, James M. Green, of Berea, Ohio, along with Alexander Schepelmann, of Aurora, Ohio; Kathryn A. Daltorio, of Cleveland, Ohio; Amaury D. Rolin, of Cleveland, Ohio; Jonathan Beno, of Cleveland, Ohio; Bradley E. Hughes, of Butler, Pennsylvania; Michael S. Branicky, of Cleveland, Ohio; Roger D. Quinn, of Akron, Ohio; Henry H. Snow, of Tannersville, New York; Frank L. Merat, of University Heights, Ohio; Richard E. Hudson, of Durham, North Carolina, invented certain new and useful VISUAL SEGMENTATION OF LAWN GRASS (Docket 040158 1788P2) for which a provisional application was filed on July 1, 2009 having Serial No. 61/269,962; a provisional application was filed on June 17, 2010 having Serial No. 61/355,935; an International Application was filed on July 1, 2010 having Serial No. PCT/US2010/001881; and for which I executed an application for letters patent of the United States, having Serial No. 13/380,413;

AND WHEREAS, MTD Products Inc., a corporation of the State of Delaware with a place of business at 5903 Grafton Road, Valley City, Ohio 44280-9711, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged, I hereby sell, assign and transfer unto said Assignee, its successors and assigns, my entire right, title and interest in and to said applications and any divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and I hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention, the European Patent Convention and/or the Patent Cooperation Treaty, claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and I hereby agree that, upon request, I will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States applications, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

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

James M. Green Date-

Serial No. Filed:

ASSIGNMENT

WHEREAS, I/We, Alexander Schepelmann; Kathryn A. Daltorio; Amaury D. Rolin; Jonathan Beno; Bradley E. Hughes; Michael S. Branicky; Roger D. Quinn; Henry H. Snow; Francis L. Merat; Richard E. Hudson; along with James M. Green, of Berea, Ohio, invented certain new and useful VISUAL SEGMENTATION OF LAWN GRASS (Docket 040158 1788P2) for which a provisional application was filed on July 1, 2009 having Serial No. 61/269,962; a provisional application was filed on March 10, 2010 having Serial No. 61/339,868; a provisional application was filed on June 17, 2010 having Serial No. 61/355,935; an International Application was filed on July 1, 2010 having Serial No. PCT/US2010/001881; and for which I/We executed an application for letters patent of the United States, having Serial No. 13/380,413;

AND WHEREAS, Case Western Reserve University, a corporation for non-profit of the state of Ohio with a place of business at 10900 Euclid Ave., Cleveland, Ohio 44106, hereinafter called the Assignee, is desirous of acquiring my/our entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged, I/We hereby sell, assign and transfer unto said Assignee, its successors and assigns, my entire right, title and interest in and to said applications and any divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and I'We hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and I/We hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention, the European Patent Convention and/or the Patent Cooperation Treaty, claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and I/We hereby agree that, upon request, I/We will sign all papers, and make all rightful onths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States applications, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

| Hu(54/ | 10/10/2013 |
|---|------------|
| Alexander Schepelmann of Pittsburgh, Pennsylvania | Date |

| Admic Dilorio | November 15, 2013 |
|--|-------------------|
| Kathryn A/Daltorio, of Cleveland, Ohio | Date |

Adamy Datolia, of Weshington, DC

Date 12/1/2,4/20/3

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|-------------------------------------|-----------------|
| Jonathan Beno, of Boulder, Colorado | Date |
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Brodley E. Hughes, of Botler, Permayhanin Partie, TEAS

9/23/2013 Date

Michael S. Brenicky, of Staker Heights, Ohio Law rence, Kensas MB,

<u>09/16/2013</u> Date

| IN TESTIM | NY WHEREOF, I/We hereunto set my/our hand and seal. | |
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| 1 | | |

Rogerio. Quinn, of Akron, Ohio

Charter

Page 8 of 31

Henry H. Snow, of Tannersville, New York

Date

That I Carlo Company C

10/10/2013 Date

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PATENT REEL: 034127 FRAME: 0903

Michard E. Hudson, of Duchsm, North Carolina

Date

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PATENT REEL: 034127 FRAME: 0904

RECORDED: 11/07/2014