## 506013415 04/14/2020

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JASON THOMAS KRAFT	03/02/2020

### **RECEIVING PARTY DATA**

Name:	THE TORO COMPANY	
Street Address:	8111 LYNDALE AVENUE SOUTH	
City:	BLOOMINGTON	
State/Country:	MINNESOTA	
Postal Code:	55420-1196	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16422153

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	0206.000197US01	
NAME OF SUBMITTER:	ANGELA J. HOERNEMANN	
SIGNATURE:	/Angela J. Hoernemann/	
DATE SIGNED:	04/14/2020	

### **Total Attachments: 2**

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PATENT 506013415 REEL: 052390 FRAME: 0113

#### ASSIGNMENT

Whereas I, **Jason T. Kraft**, with residence and citizenship as indicated below, have made an invention in

# AUTONOMOUS GROUNDS MAINTENANCE MACHINES WITH PATH PLANNING FOR TRAP AND OBSTACLE AVOIDANCE

Filed: May 24, 2019 U.S. Application No.: 16/422,153

and executed an application for Letters Patent of the United States of America based thereon, said application claiming priority to and/or the benefit of the following United States Provisional Patent Applications:

# AUTONOMOUS GROUNDS MAINTENANCE MACHINES WITH PATH PLANNING FOR TRAP AND OBSTACLE AVOIDANCE

Filed: May 25, 2018

U.S. Application Serial No.: <u>62/676,379</u>
Filed: February 5, 2019

U.S. Application Serial No.: <u>62/801,267</u>

Now, therefore, for good and valuable consideration, receipt and sufficiency of which are hereby acknowledged, I have individually agreed to assign and transfer and do hereby assign and transfer unto THE TORO COMPANY ("Assignee"), a corporation of Delaware, having its principal office at 8111 Lyndale Avenue South, Bloomington, Minnesota, 55420-1196, United States of America, its successors and assigns, my entire right, title, and interest in and to said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment by the Assignee), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made;

I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, that may be deemed necessary by the Assignee, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries;

PATENT REEL: 052390 FRAME: 0114 Application No. 16/422,153 Filing Date: May 24, 2019

For: AUTONOMOUS GROUNDS MAINTENANCE MACHINES WITH PATH PLANNING

FOR TRAP AND OBSTACLE AVOIDANCE

And I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent that may be granted upon any of said applications, to THE TORO COMPANY as the assignce of the entire right, title, and interest therein.

Further, I covenant and agree with the Assignce, and its successors and assigns, that I have not assigned, granted, mortgaged, licensed, or executed any other agreement affecting the rights and property herein conveyed to others and that I possess the full right to convey these rights and property as herein expressed.

If the filing date and application number are not identified in this Assignment at the time of execution, I authorize the Assignee and its agents, legal representatives, successors and assigns, to insert such information into this Assignment and/or true and correct copies thereof at a later date.

In witness whereof, I have hereunto signed my name on the day and year set forth below.

Notary Public



PATENT REEL: 052390 FRAME: 0115

RECORDED: 04/14/2020