



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 25, 2016

PTAS

ESCO CORPORATION
2141 NW 25TH AVENUE
PORTLAND, OR 97210-2578

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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

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RECORDATION DATE: 05/24/2016

REEL/FRAME: 038699/0389
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BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 563-US

ASSIGNOR:
CARPENTER, CHRISTOPHER M.

DOC DATE: 05/11/2016

ASSIGNOR:
HYDE, STEVEN D.

DOC DATE: 05/11/2016

ASSIGNOR:
LANDER, JAVIER

DOC DATE: 05/13/2016

ASSIGNOR:
BETOURNAY, JASON W.

DOC DATE: 05/11/2016

ASSIGNOR:
ZUENDEL, KARSTEN D.

DOC DATE: 05/11/2016

ASSIGNEE:
ESCO CORPORATION
2141 NW 25TH AVENUE
PORTLAND, OREGON 97210-2578

APPLICATION NUMBER: 15043482

FILING DATE: 02/12/2016

PATENT NUMBER:

ISSUE DATE:

TITLE: MONITORING GROUND-ENGAGING PRODUCTS FOR EARTH WORKING EQUIPMENT

ASSIGNMENT RECORDATION BRANCH

PUBLIC RECORDS DIVISION

ASSIGNMENT

WHEREAS, WE:

Christopher M. Carpenter, a citizen of the United States of America, residing at 19047 SW Chesapeake Drive; Tualatin, Oregon 97062, US;

Steven D. Hyde, a citizen of the United States of America, residing at 9238 North St. Johns Avenue; Portland, Oregon 97203, US;

Javier Lander, a Citizen of Spain, residing at calle Tesoro 30, 3ero exterior derecha, 28004 Madrid, Spain;

Jason W. Betournay, a citizen of the United States of America, residing at 4350 SE 25th Avenue; Portland, Oregon 97202, US; and

Karsten D. Zuendel, a citizen of the United States of America, residing at 3121 N. Willamette Blvd; Portland, Oregon 97217, US,

("ASSIGNORS"), have invented certain new and useful improvements in a **MONITORING GROUND-ENGAGING PRODUCTS FOR EARTH WORKING EQUIPMENT** for which an application for United States Patent was filed on February 12, 2016, Application Serial No. 15/043,482, and assigned attorney docket number 563-US; and

WHEREAS, ESCO CORPORATION, a corporation duly organized under the laws of the State of Oregon, having a place of business at 2141 NW 25th Avenue, Portland, Oregon 97210 ("ESCO") is desirous of acquiring the entire right, title and interest in and to the aforesaid invention and all Letters Patent of the United States and any foreign country which may be granted therefor;

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell and assign to ESCO the entire right, title and interest in and to said invention in the United States and in all foreign countries and the entire right, title and interest in and to all Letters Patent which may be granted therefor in the United States and all foreign countries and in and to all divisions, reissues, continuations, continuations-in-part,

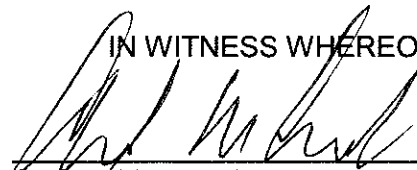
substitutions, renewals, reexaminations, and extensions thereof, including the full right to claim for any such application the benefits of all International Treaties and Conventions.

ASSIGNORS hereby warrant to have the full right to convey the entire right, title and interest in and to said invention to ESCO and that no other instrument or assignment has been or will be executed in conflict with this Assignment.

ASSIGNORS hereby authorize and request the patent office officials in the United States and in all foreign countries to issue all of said Letters Patent to ESCO as the owner of the entire right, title and interest in and to the same.

ASSIGNORS further agree to communicate to ESCO any facts known to ASSIGNORS respecting said invention, and to testify in any legal proceeding, to sign all lawful papers, to execute all divisional, continuation, continuation-in-part, substitution, renewal, reexamination, and reissue applications, to execute all assignment papers to cause all of said Letters Patent to be issued to ESCO, to make all rightful oaths and generally do everything possible to aid ESCO, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in all foreign countries.

IN WITNESS WHEREOF, we have hereunto set our hand and seal.


 Christopher M. Carpenter

11 MAY 16
 Dated


 Steven D. Hyde

11 MAY 2016
 Dated

 Javier Lander

 Dated


 Jason W. Betourmay

11 MAY 2016
 Dated

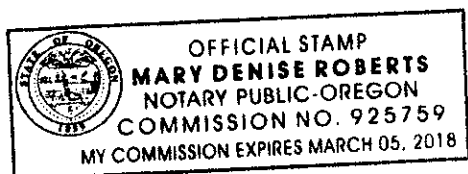

 Karsten D. Zuendel

11 MAY 2016
 Dated

State of Oregon

County of Multnomah

On this 11th day of May 2016, before me a Notary Public in and for the County and State aforesaid, personally appeared **Christopher M. Carpenter**, to me known to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

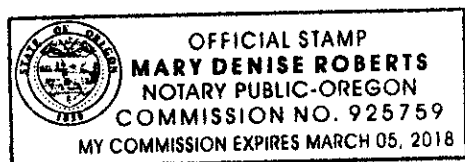


Mary Denise Roberts
 Mary Denise Roberts
 Notary Public - State of Oregon
 My Commission expires: March 5, 2018

State of Oregon

County of Multnomah

On this 11th day of May 2016, before me a Notary Public in and for the County and State aforesaid, personally appeared **Steven D. Hyde**, to me known to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

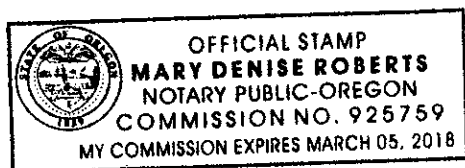


Mary Denise Roberts
 Mary Denise Roberts
 Notary Public - State of Oregon
 My Commission expires: March 5, 2018

State of Oregon

County of Multnomah

On this 11th day of May 2016, before me a Notary Public in and for the County and State aforesaid, personally appeared **Jason W. Betournay**, to me known to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

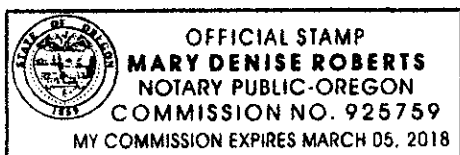


Mary Denise Roberts
 Mary Denise Roberts
 Notary Public - State of Oregon
 My Commission expires: March 5, 2018

State of Oregon

County of Multnomah

On this 11th day of May 2016, before me a Notary Public in and for the County and State aforesaid, personally appeared **Karsten D. Zuendel**, to me known to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.



Mary Denise Roberts

Mary Denise Roberts
Notary Public – State of Oregon
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Dated

Steven D. Hyde

Dated

Javier Lander

05/13 / 2016
Dated

Jason W. Betournay

Dated

Karsten D. Zuendel

Dated