

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3692445

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CALVIN W. COLLINS	12/14/2015
JON V. OWENS	12/11/2015
ALFRED H. SKINNER	12/22/2015
NEAL A. BOWDEN	12/04/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ESCO CORPORATION
<b>Street Address:</b>	2141 NW 25TH AVENUE
<b>City:</b>	PORTLAND
<b>State/Country:</b>	OREGON
<b>Postal Code:</b>	97210-2578
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14945203
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(503)449-6082
<i>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.</i>	
<b>Phone:</b>	5037786430
<b>Email:</b>	patents@escocorp.com
<b>Correspondent Name:</b>	ESCO CORPORATION
<b>Address Line 1:</b>	2141 NW 25TH AVENUE
<b>Address Line 4:</b>	PORTLAND, OREGON 97210-2578
<b>ATTORNEY DOCKET NUMBER:</b>	503-US
<b>NAME OF SUBMITTER:</b>	JOHN ANDERTON
<b>SIGNATURE:</b>	/JOHN ANDERTON/
<b>DATE SIGNED:</b>	01/12/2016
<b>Total Attachments: 7</b>	
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### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Calvin W. Collins, Jon V. Owens,  
Alfred H. Skinner, Neal A. Bowden

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

**2. Name and address of receiving party(ies)**

Name: ESCO Corporation

Internal Address: \_\_\_\_\_

Street Address: 2141 NW 25th Avenue

City: Portland

State: Oregon

Country: US Zip: 97210-2578

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 12/14/2015, 12/11/2015, 12/4/2015, 12/22/2015

- Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

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

This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

14/945203

Additional numbers attached?  Yes  No

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

Name: ESCO Corporation

Internal Address: \_\_\_\_\_

Street Address: 2141 NW 25th Avenue

City: Portland

State: Oregon Zip: 97210-2578

Phone Number: 503.499.6082

Docket Number: 503-US

Email Address: patents@escocorp.com

**6. Total number of applications and patents involved:** 1

**7. Total fee** (37 CFR 1.21(h) & 3.41) \$ \_\_\_\_\_

- Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 50-3585

Authorized User Name John Anderton

**9. Signature:** /John Anderton/

2016-01-12

Signature

Date

John Anderton

Name of Person Signing

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

7

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

## ASSIGNMENT

WHEREAS, WE,

1. Calvin W. Collins, (US Citizen), residing at 2055 SW Schaefer Road, West Linn, Oregon 97068, US;
2. Jon V. Owens, (US Citizen), residing at 23705 SW Stafford Hill Drive, West Linn, OR 97068, US;
3. Alfred H. Skinner, (US Citizen), 132 Crooked Stick Lane, Aledo, TX 76008, US;
4. Neal A. Bowden, (US Citizen), 400 Deer Valley Road, Weatherford TX 76085

("ASSIGNORS"), have invented certain new and useful improvements in a **DOWNHOLE TOOL AND METHOD OF MANUFACTURING A TOOL** for which an application for United States Patent was filed on November 18, 2015, Application Serial No. 14/945,203 and assigned attorney docket number 503-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 25<sup>th</sup> 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;

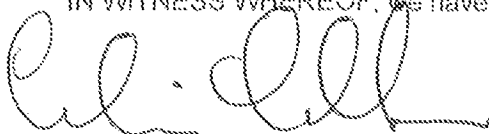
NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell and assign to ESCO the entire right, title and interest in and to said invention in the United States and in all foreign countries and the entire right, title and interest in and to 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.

  
 \_\_\_\_\_  
 Calvin W. Collins

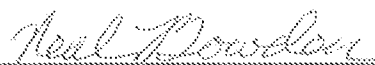
12-14-15  
 \_\_\_\_\_  
 Dated

  
 \_\_\_\_\_  
 Jon V. Owens

12-11-15  
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\_\_\_\_\_  
 Alfred H. Skinner

\_\_\_\_\_  
 Dated

  
 \_\_\_\_\_  
 Neal A. Bowden

12-04-15  
 \_\_\_\_\_  
 Dated

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.

.....  
Calvin W. Collins

.....  
Dated

.....  
Jon V. Owens

.....  
Dated

*Alfred H. Skinner*  
.....  
Alfred H. Skinner

*12-22-2015*  
.....  
Dated

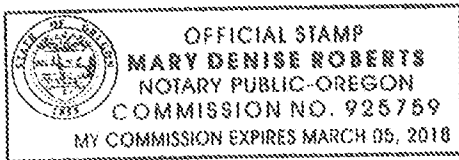
.....  
Neal A. Bowden

.....  
Dated

State of Oregon

County of Multnomah

On this 15<sup>th</sup> day of December ~~November~~ 2015, before me a Notary Public in and for the County and State aforesaid, personally appeared Calvin W. Collins, 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.

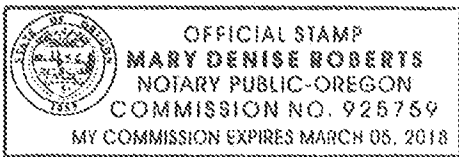


Mary Denise Roberts  
Mary Denise Roberts  
Notary Public - State of Oregon  
My Commission expires: March 5, 2018

State of Oregon

County of Multnomah

On this 11<sup>th</sup> day of December ~~November~~ 2015, before me a Notary Public in and for the County and State aforesaid, personally appeared Jon V. Owens, 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 Texas

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_ 2015, before me a Notary Public in and for the County and State aforesaid, personally appeared Alfred H. Skinner, 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.

Name of Notary: \_\_\_\_\_  
Notary Public - State of Texas  
My Commission expires: \_\_\_\_\_

State of Oregon

County of Multnomah

On this \_\_\_\_\_ day of November 2015, before me a Notary Public in and for the County and State aforesaid, personally appeared Calvin W. Collins, 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  
Notary Public -- State of Oregon  
My Commission expires: March 5, 2018

State of Oregon

County of Multnomah

On this \_\_\_\_\_ day of November 2015, before me a Notary Public in and for the County and State aforesaid, personally appeared Jon V. Owens, 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.

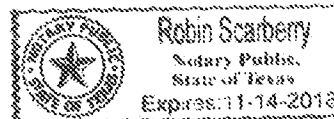
.....  
Mary Denise Roberts  
Notary Public -- State of Oregon  
My Commission expires: March 5, 2018

State of Texas

County of Parker

On this 22 day of December 2015, before me a Notary Public in and for the County and State aforesaid, personally appeared Alfred H. Skinner, 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.

Robin Scarberry  
.....  
Name of Notary: Robin Scarberry  
Notary Public -- State of Texas  
My Commission expires: 11/14/18

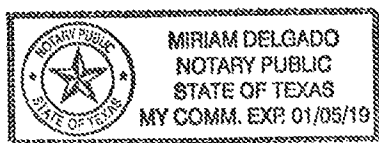




State of Texas

County of Parker

On this 11 day of December 2015, before me a Notary Public in and for the County and State aforesaid, personally appeared **Neal A. Bowden**, 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.



Miriam Delgado  
Name of Notary: Miriam Delgado  
Notary Public – State of Texas  
My Commission expires: 1-05-2019