

12-15-1998

FORM PTO-1595  
1-31-92U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

100922491

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Howard W. Ludewig  
Samuel L. McClallen  
Ilhan (NMI) Varol  
Additional Names attached: ☐ Yes ☒ No

## 2. Name and address of receiving party(ies):

Name: Caterpillar Inc.Internal Address:  
Intellectual Property DepartmentStreet Address:  
100 N.E. Adams StreetCity: Peoria State: IllinoisZip: 61629-6490

## 3. Nature of Conveyance:

☒ Assignment  
☐ Security Agreement  
☐ OtherExecution Date(s): 11/25/98, 12/01/98, and  
11/25/98Additional name(s) & addresses  
attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is 11/25/98, 12/01/98, and 11/25/98.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ NoTitle of Invention: METHOD AND SYSTEM FOR DETERMINING WELD BEAD QUALITYAttorney Docket No.: 97-641

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Kevin M. Kercher  
CATERPILLAR INC.Internal Address: Intellectual Property  
DepartmentStreet Address: 100 N. E. Adams StreetCity: Peoria State: ILZip: 61629-6490

## 6. Total number of applications and patents involved [1]

7. Total fee (37 CFR §3.41) \$ 40.00  
☐ Enclosed  
☒ Authorized to be charged to deposit account8. Deposit account number: 03-1129  
(If charged duplicate copy attached)

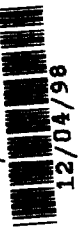
## 9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kevin M. Kercher  
Name of Person Signing  
Signature12/4/98  
Date

Total number of pages comprising cover sheet, attachments, and document: [3]

Mail document to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
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Washington, D.C. 20231jc551 U.S. PTO  
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PATENT  
REEL: 9634 FRAME: 0247

# ASSIGNMENT

WHEREAS, HOWARD W. LUDEWIG; SAMUEL L. MCCLALLEN; and ILHAN (NMI) VAROL, residing respectively at Groveland, Illinois; East Peoria, Illinois; and Peoria, Illinois, hereinafter referred to as ASSIGNORS, have invented a new and useful

## METHOD AND SYSTEM FOR DETERMINING WELD BEAD QUALITY

for which ASSIGNORS are about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNORS on

November 25, 1998, December 1, 1998, and  
November 25, 1998; and

WHEREAS, CATERPILLAR INC., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNORS from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNORS;

1. ASSIGNORS hereby sell, assign, transfer and convey unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNORS have the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNORS agree to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNORS hereby authorize and request the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to CATERPILLAR INC.

4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNORS, ASSIGNORS' heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNORS have executed this instrument.

Howard W. Ludewig  
HOWARD W. LUDEWIG

11/25/98  
Date

IN WITNESS OF the execution hereof by HOWARD W. LUDEWIG we have hereunto set our hands.

Alan T. Kibely 11/25/98  
Witness (1) (Date)

Address: 3305 W. LISA LN  
PEORIA, ILL 61615

Bryan J. Kibely 11/25/98  
Witness (2) (Date)

Address: 208 Timber Ln.  
East Peoria, IL 61611

Samuel L. McClallen  
SAMUEL L. MCCLALLEN

12/01/1998  
Date

IN WITNESS OF the execution hereof by SAMUEL L. MCCLALLEN we have hereunto set our hands.

John E. Long 12/01/98  
Witness (1) (Date)

Address: 219 JUSTICE DR.  
E. PEORIA, IL 61611

John L. Bender 12/1/98  
Witness (2) (Date)

Address: 208 Oakbrook Dr  
East Peoria, IL 61611

Ilhan Varol  
ILHAN (NMI) VAROL

11/25/98  
Date

IN WITNESS OF the execution hereof by ILHAN (NMI) VAROL we have hereunto set our hands.

Alan T. Kibely 11/25/98  
Witness (1) (Date)

Address: 3305 W. LISA LN  
PEORIA, ILL. 61615

Bryan J. Kibely 11-25-98  
Witness (2) (Date)

Address: 208 Timber Ln  
East Peoria, IL 61611