

ASSIGNMENT RECORD

02-06-2003



102358789



To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document.

1. Names of conveying parties

- a) **Guenter W. Brune**
- b) **Peter H. Hambling**
- c) **John E. Mercer**
- d) **Lloyd A. Moore**
- e) **Shiu Sang Ng**
- f) **Rudolf Zeller**

2. Name and address of receiving party:

- a) Name: **Digital Control Incorporated**
Address: **425 S. W. 41st Street**
Renton, Washington 98005

10353718

3. Nature of conveyance

X Assignment. The execution date of the Assignment is **May 27, 1999** for **Guenter W. Brune, Peter H. Hambling, Lloyd A. Moore, Shiu Sang Ng, and Rudolf Zeller**, and **May 26, 1999** for **John E. Mercer**.

4. This document is being filed together with a divisional application, the execution date of the parent application is: **May 27, 1999** for **Guenter W. Brune, Peter H. Hambling, Lloyd A. Moore, Shiu Sang Ng, and Rudolf Zeller**, and **May 26, 1999** for **John E. Mercer**. The title of the new application is:

ESTABLISHING POSITIONS OF LOCATING FIELD DETECTORS AND PATH MAPPING IN UNDERGROUND BORING TOOL APPLICATIONS

5. Please send all correspondence concerning this document to: **Customer Number 21833**

1-28-03

Jay R Beyer
Boulder Patent Services, Inc.
1021 Gapter Road
Boulder, Colorado 80303
Tel. No.: (303) 499-3859
Fax No.: (303) 499-8516

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

7. Total fee (37 CFR 3.41): **\$40.00**. Please charge my Deposit Account No. **19-1685 (Order Number DCI-6CIP1D2)** the amount of \$ **40.00**. (A duplicate of this sheet is included for fee processing purposes.)

8. 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.

Date: **January 28, 2003**

Jay R Beyer
Reg. No. 39,907
Att. Docket No. **DCI-6CIP1D2**

02/05/2003 6TON11 00000075 191685 10353718
01 FC:8021 40.00 CH

ASSIGNMENT
(Accompanying the Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged the undersigned, **Guenter W. Brune, Peter H. Hambling, John E. Mercer, Lloyd A. Moore, Shiu Sang Ng, and Rudolf Zeller**

(1) hereby sell, assign, and transfer to **Digital Control, Inc.**, a Washington corporation having a place of business at **425 S. W. 41st Street, Renton, Washington 98005**, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and that is entitled **ESTABLISHING POSITIONS OF LOCATING FIELD DETECTORS AND PATH MAPPING IN UNDERGROUND BORING TOOL APPLICATIONS** and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

(2) agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

(3) covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

5/27, 1999

Date

5/27/99, 1999

Date

5/26, 1999

Date

5/27, 1999

Date

5/27, 1999

Date

5/27, 1999

Date

Guenter W. Brune

Name: Guenter W. Brune

Peter H. Hambling

Name: Peter H. Hambling

John E. Mercer

Name: John E. Mercer

Lloyd A. Moore

Name: Lloyd A. Moore

Shiu S. Ng

Name: Shiu S. Ng

Rudolf Zeller

Name: Rudolf Zeller

Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:

5/27

Date

5/27

Date

5/26

Date

5/27

Date

5/27

Date

5/27

Date

Assignment Document Return Address:

Boulder Patent Services

1021 Gapter Road

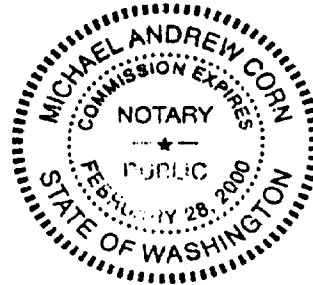
Boulder, Colorado 80303

(303) 499-3859

State of: WASHINGTON)
County of: KING) SS.

On this 27th day of MAY, 1999, before me, MICHAEL ANDREW CORN, the undersigned Notary Public, personally appeared Guenter W. Brune ☒ personally known to me ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument, and acknowledged that he executed it.
WITNESS my hand and official seal.

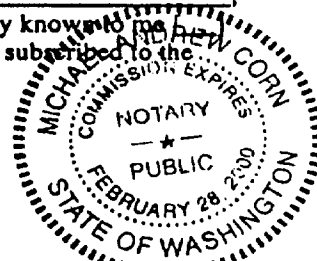
Michael Andrew Corn
Notary's Signature



State of: WASHINGTON)
County of: KING) SS.

On this 27th day of MAY, 1999, before me, MICHAEL ANDREW CORN, the undersigned Notary Public, personally appeared Peter H. Hambling ☒ personally known to me ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument, and acknowledged that he executed it.
WITNESS my hand and official seal.

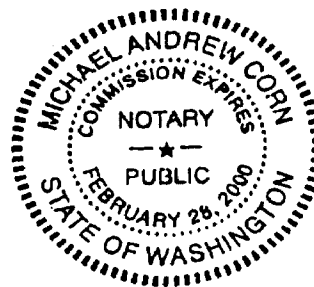
Michael Andrew Corn
Notary's Signature



State of: WASHINGTON)
County of: KING) SS.

On this 26th day of MAY, 1999, before me, MICHAEL ANDREW CORN,
the undersigned Notary Public, personally appeared John E. Mercer ☒ personally known to me ☐
proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the
within instrument, and acknowledged that he executed it.
WITNESS my hand and official seal.

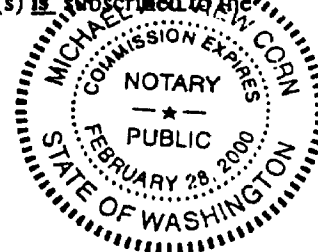
[Signature]
Notary's Signature



State of: WASHINGTON)
County of: KING) SS.

On this 27th day of MAY, 1999, before me, MICHAEL ANDREW CORN,
the undersigned Notary Public, personally appeared Lloyd A. Moore ☒ personally known to me ☐
proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the
within instrument, and acknowledged that he executed it.
WITNESS my hand and official seal.

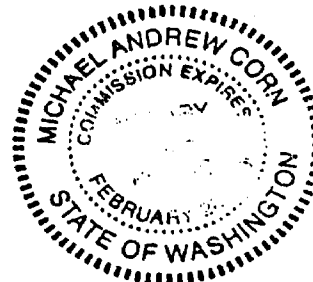
[Signature]
Notary's Signature



State of: WASHINGTON)
County of: KING) SS.

On this 27th day of MAY, 1999, before me, MICHAEL ANDREW CORN,
the undersigned Notary Public, personally appeared Shiu S. Ng ☒ personally known to me ☐
proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within
instrument, and acknowledged that he executed it.
WITNESS my hand and official seal.

[Signature]
Notary's Signature



State of: WASHINGTON)
County of: KING) SS.

On this 27th day of MAY, 1999, before me, MICHAEL ANDREW CORN,
the undersigned Notary Public, personally appeared Rudolf Zeller ☒ personally known to me ☐
proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within
instrument, and acknowledged that he executed it.
WITNESS my hand and official seal.

[Signature]
Notary's Signature

