

01-09-2004

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To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document.

1. Names of conveying parties

a) **Digital Control Inc.**  
**425 S W 41<sup>st</sup> Street**  
**Renton, Washington 98055**

2. Name and address of receiving party:

a) Name: **Merlin Technology, Inc.**  
Address: **425 S W 41<sup>st</sup> Street**  
**Renton, Washington 98055**

12.29.03

3. Nature of conveyance

X Assignment. The execution date of the Assignment is **August 1, 2003**.

4. This document is being filed together with a new divisional application, the execution date of the original parent application is **March 20, 2000**. The title of the new application is:

**FLUX ORIENTATION LOCATING IN A DRILLING SYSTEM**

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

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

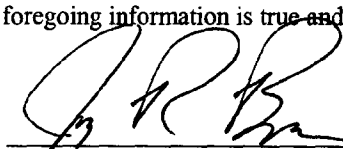
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6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): **\$40.00**. Please charge my Deposit Account No. **19-1685 (Order Number DCI-4CIP1C3)** 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: **December 29, 2003**

  
Jay R Beyer  
Reg. No. 39,907  
Att. Docket No. **DCI-4CIP1C3**

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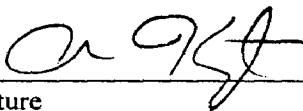
## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **Digital Control Incorporated**, a **Washington** corporation ("Assignor"), owner of the entire right, title, and interest in U.S. Patent Application No. **10/453,375**, hereby sells, assigns, transfers and conveys to **Merlin Technology Inc.**, a **Washington** corporation having a place of business at **425 S.W. 41st Street, Renton, Washington 98055** ("Assignee"), its designees, successors, assigns and legal representatives, the entire right, title and interest in the Patent Application, and all divisions, continuations, reissues and reexaminations thereof, the invention claimed therein, and all rights to claim priority from the Patent Application and all applications for patent that may be filed for the invention in any foreign country and all patents that may be granted on the invention in any foreign country, and all extensions, renewals, and reissues thereof, each and every of the foregoing rights, titles and interests herein assigned to be held and enjoyed by Assignee, its successors, assigns and legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor had this Assignment not been made, this Assignment effective as of June 2, 2003.

IN TESTIMONY WHEREOF, Assignor has caused this Assignment to be duly executed in its name and behalf by affixing its hand and seal thereto by its designated officer, director, or agent, whose name and title appear below.

Executed at **425 S. W. 41st Street, Renton, Washington** this 1<sup>st</sup> day of August, 2003.

**Digital Control Incorporated**



Signature

Name: AARON KEYT

Title: GENERAL COUNSEL

(CORPORATE SEAL)

State of Washington )  
County of King )

ss.

On this 1<sup>st</sup> day of August, in the year 2003, before me, Sherilyn Pries, personally appeared Aaron Keyt, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature Sherilyn D Pries

(SEAL)

DCI-4CIP1C2

PATENT  
REEL: 014858 FRAME: 0162

**ASSIGNMENT**  
(Accompanying the Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged the undersigned, **John E. Mercer**

(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 **FLUX ORIENTATION LOCATING IN A DRILLING SYSTEM** 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:

3/20, 2000  
Date

John E. Mercer  
Name: John E. Mercer

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

3/20, 2000  
Date

Assignment Document Return Address:

Customer Number 21833  
Boulder Patent Services, Inc.  
1021 Gapter Road  
Boulder, Colorado 80303  
(303) 499-3859

State of: Wa )  
County of: King ) SS.

On this 20 day of 03, 2000, before me, John E. Mercer,  
the undersigned Notary Public, personally appeared John E. Mercer [ ] personally known to me [X] 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

