

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

07-17-2001

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**



101777829

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

New

Resubmission (Non-Recordation)  
Document ID# \_\_\_\_\_

Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

Corrective Document  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

**Conveyance Type**

Assignment  Security Agreement

License  Change of Name

Merger  Other \_\_\_\_\_

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

Departmental File  Secret File

10/21 U.S. PTO  
09/89817  
07/05/01

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Name (line 1) Birger Pahl Execution Date 05/30/2001  
Month Day Year

Name (line 2) \_\_\_\_\_

**Second Party**

Name (line 1) James E. Hansen Execution Date 05/30/2001  
Month Day Year

Name (line 2) \_\_\_\_\_

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1) Eaton Corporation  If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United  
States, an appointment  
of a domestic  
representative is attached.  
(Designation must be a  
separate document from  
Assignment.)

Name (line 2) \_\_\_\_\_

Address (line 1) 1111 Superior Ave.

Address (line 2) \_\_\_\_\_

Address (line 3) Cleveland Ohio 44114  
City State/Country Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name \_\_\_\_\_

Address (line 1) \_\_\_\_\_

Address (line 2) \_\_\_\_\_

Address (line 3) \_\_\_\_\_

Address (line 4) \_\_\_\_\_

**FOR OFFICE USE ONLY**

07/10/2001 B8AYAS11 00000012 170055 09898817  
02 FD:581 40.00 CH

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Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

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**PATENT**  
**REEL: 011966 FRAME: 0311**

**Correspondent Name and Address**

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

#

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT  PCT  PCT   
PCT  PCT  PCT

**Number of Properties**

Enter the total number of properties involved.

#

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:  
Deposit Account

Enclosed  Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

Authorization to charge additional fees:

Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

George E. Haas

July 5, 2001

Name of Person Signing

Signature

Date

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Execution Date  
Month Day Year

Name (line 1) Matthew F. Planning

05/30/2001

Name (line 2)

Execution Date  
Month Day Year

Name (line 1) Robert H. Mathews

06/29/2001

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

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Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

Grid for Patent Application Number(s) with 5 rows and 3 columns of input boxes.

Grid for Patent Number(s) with 5 rows and 3 columns of input boxes.

09/09/01  
07/05/01  
U.S. PTO

ASSIGNMENT

WHEREAS WE, **Birger Pahl of Milwaukee**, in the County of **Milwaukee**, State of **Wisconsin**; **James E. Hansen of Oak Creek**, in the county of **Milwaukee**, State of **Wisconsin**, **Matthew F. Planning of Milwaukee**, in the County of **Milwaukee**, State of **Wisconsin** and **Robert H. Mathews of Decatur**, in the county of **Adams**, State of **Indiana**, have made certain inventions which are described in an application for Letters Patent of the United States entitled:

**TORQUE MEASURING APPARATUS AND METHOD EMPLOYING A CRYSTAL OSCILLATOR**

WHEREAS, **EATON CORPORATION**, a corporation organized and existing under the laws of the State of **Ohio**, having its principal place of business at **1111 Superior Ave., Cleveland, OH 44114**, is desirous of acquiring an interest therein;

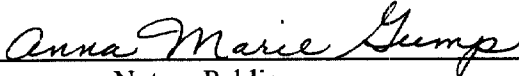
NOW, THEREFORE, for and in consideration of our employment and the salary or wages paid to us by **EATON CORPORATION**, we, **Birger Pahl, James E. Hansen, Matthew F. Planning and Robert H. Mathews**, by these presents do sell, assign, and transfer unto said **EATON CORPORATION**, its successors and assigns, the full and exclusive right in the United States of America and all foreign countries to the said invention as described in the above-identified patent application; said invention, all applications for Letters Patent and all Letters Patent therefor, to be held and enjoyed by the said **EATON CORPORATION**, for its own use and behoof and for its legal representatives, to the full end of the term for which said Letters Patent are granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made; and we hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of applications for Letters Patent of the United States of America and all foreign countries on, for litigation regarding, or for the purpose of protecting title to the said invention or Letters Patent therefor for the benefit of our assignee without further or other compensation than that above set forth; and we hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent to **EATON CORPORATION**, as assignee thereof.



**Birger Pahl**

STATE OF Wisconsin )  
 ) SS  
COUNTY OF Milwaukee )

On this 30 day of May, 2001 before me personally appeared **Birger Pahl** to me personally known as the individual who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.



Notary Public

My Commission Expires: 8-25-02

*James E. Hansen*

James E. Hansen

STATE OF Wisconsin )  
 ) SS  
COUNTY OF Milwaukee )

On this 30 day of May, 2001 before me personally appeared James E. Hansen to me personally known as the individual who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

*Anna Marie Gump*

Notary Public

My Commission Expires: 8-25-02

*Matthew F. Planning*

Matthew F. Planning

STATE OF Wisconsin )  
 ) SS  
COUNTY OF Milwaukee )

On this 30 day of May, 2001 before me personally appeared Matthew F. Planning to me personally known as the individual who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

*Anna Marie Gump*

Notary Public

My Commission Expires: 8-25-02

*Robert H. Mathews*

Robert H. Mathews

STATE OF INDIANA )  
 ) SS  
COUNTY OF ADAMS )

On this 29th day of JUNE, 2001 before me personally appeared Robert H. Mathews to me personally known as the individual who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

*Ronnie L. Kohne*

Notary Public

*RONNIE L. KOHNE*

My Commission Expires: AUGUST 25, 2001

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