

FORM PTO-1679A  
Expires 06/30/99  
OMB 0651-002



01-06-2004

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

22203



102638574

TO: The Commissioner of Patents and Trademarks. Please return 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
- License
- Merger
- Security Agreement
- Change of Name
- Other

**U.S. Government**

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- Departmental File
- Secret File

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

**Second Party**

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

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.)

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
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01/05/2004 DBYRNE 00000136 080750 29166872

01 FC:0021 40.00 DR

EV 298497070 US

**PATENT**  
**REEL: 014844 FRAME: 0845**

**Correspondent Name and Address**

Area Code and Telephone Number

314-726-7500

Name Kelly K. Burris, Esq.

Address (line 1) Harness, Dickey & Pierce, P.L.C.

Address (line 2) 7700 Bonhomme Avenue

Address (line 3) Suite 400

Address (line 4) St. Louis, Missouri 63105

**Pages**

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

# 5

**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)**

29/166,872

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 as not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

**Number of Properties**

Enter the total number of properties involved.

#

1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$

40.00

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:

#

08-0750

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.

Kelly K. Burris, Reg. No. 46,361

Name of Person Signing

  
Signature

December 22, 2003

Date

EV 298497070 US



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

**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

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

**Conveying Party(ies)**

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Enter additional Conveying Parties

Name (line 1)	<input type="text" value="HORNER-RICHARDSON, Kevin"/>	Execution Date Month Day Year <input type="text" value="01 24 2003"/>
Name (line 2)	<input type="text"/>	
Name (line 1)	<input type="text"/>	Execution Date Month Day Year <input type="text"/>
Name (line 2)	<input type="text"/>	
Name (line 1)	<input type="text"/>	Execution Date Month Day Year <input type="text"/>
Name (line 2)	<input type="text"/>	

**Receiving Party(ies)**

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)	<input type="text"/>	<input type="checkbox"/> 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)	<input type="text"/>	
Address (line 1)	<input type="text"/>	<input type="checkbox"/> 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.)
Address (line 2)	<input type="text"/>	
Address (line 3)	<input type="text"/> <input type="text"/>	
	City State/Country	Zip Code
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Address (line 2)	<input type="text"/>	
Address (line 3)	<input type="text"/> <input type="text"/>	
	City State/Country	Zip Code

**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)		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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# ASSIGNMENT

Atty. Docket No. 9858-000320

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

## TRIGGER ASSEMBLY

for which Assignor is about to make or has made United States or International application for patent

- (a)  executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b)  executed on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_; or
- (c)  filed on September 4, 2002, and assigned Serial No. 29/166,872 or PCT International Application No. \_\_\_\_\_;
- (d)  U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_; and

WHEREAS, Thermal Dynamics Corporation, 82 Benning St., West Lebanon, New Hampshire 03745, hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and


Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.


**PATENT**  
**REEL: 013715 FRAME: 0592**


EV 298497070 US

**PATENT**  
**REEL: 014844 FRAME: 0848**

ASSIGNMENT

  
Kevin J. Kinerson 1/24/03  
Date

  
Joseph P. Jones 1-27-03  
Date

  
Kevin Horner-Richardson 1/24/03.  
Date

Page 2 of 2

RECORDED: 01/30/2003

PATENT  
REEL: 013715 FRAME: 0593

RECORDED: 12/22/2003

PATENT  
REEL: 014844 FRAME: 0849