

4/04/04

A/D 581/40

10/492018

FORM PTO-1595

RECOF

07-12-2004

Rec'd PCT/PTO 08 APR 2004  
U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)



Tab settings

To the Honorable Commissioner of Patent

102788150

original documents or copy thereof.

1. Name of conveying party(ies):

Robert G. Hockaday Marc D. DeJohn  
Patrick S. Turner Carlos J. Navas  
Zachary R. Bradford Heathcliff L. Vaz

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

Name: Energy Related Devices, Inc.

Internal Address:

Street Address: 127 Eastgate Industrial Park

City: Los Alamos State: NM ZIP: 87544

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: 04/07/2004

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

101492018

If this document is being filed together with a new application, the execution date of the application is: 04/07/2004

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: James C. Wray

Internal Address:

04/2004 GREY1 00000127 10492018

FO:0021

40.00 DP

Street Address: 1493 Chain Bridge Road

Suite 300

City: McLean State: VA ZIP: 22101

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 account

8. Deposit account number:

02-3704

(Attach duplicate copy of this page if paying by deposit account)

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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.

Julie H. Gamotis

Name of Person Signing

*Julie H. Gamotis*

Signature

04/08/2004

Date

5

Total number of pages including cover sheet, attachments, and document:

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

## JOINT ASSIGNMENT

WHEREAS, ROBERT G. HOCKADAY, PATRICK S. TURNER, ZACHARY R. BRADFORD, MARC D. DEJOHN, CARLOS J. NAVAS AND HEATHCLIFF L. VAZ, hereinafter referred to as the ASSIGNORS, have jointly invented certain improvements relating to **MEMBRANE CATALYTIC HEATER**, for which they jointly executed on even date herewith an application for Letters Patent to be filed in the United States Patent Office;

AND WHEREAS, **ENERGY RELATED DEVICES, INC.**, a New Mexico corporation, located and doing business at 127 Eastgate Industrial Park, Los Alamos, New Mexico 87544, hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, and prolongations thereof;

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell, and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, and prolongations thereof, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise, and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, and prolongations thereof, with all the rights, powers, privileges, and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made;

AND said ASSIGNORS hereby agree to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon;

AND said ASSIGNORS authorize and request the Director of the Patent and Trademark Office to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS the day and year set forth below.

Executed at Los Alamos, New Mexico USA ✓ Robert G. Hockaday  
(Town & State/Country) Robert G. Hockaday  
On (date) April 6, 2004

Executed at Los Alamos New Mexico USA ✓ Patrick S. Turner  
(Town & State/Country) Patrick S. Turner  
On (date) 6 April 2004

Executed at Los Alamos, CA USA ✓ Zachary R. Bradford  
(Town & State/Country) Zachary R. Bradford  
On (date) 6 April 2004

Executed at Los Alamos, NM, USA ✓ Marc D. DeJohn  
(Town & State/Country) Marc D. DeJohn  
On (date) 4/6/04

Executed at \_\_\_\_\_ ✓ Carlos J. Navas  
(Town & State/Country) Carlos J. Navas  
On (date) \_\_\_\_\_

Executed at \_\_\_\_\_ ✓ Heathcliff L. Vaz  
(Town & State/Country) Heathcliff L. Vaz  
On (date) \_\_\_\_\_

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(Town & State/Country)  
On (date) April 6, 2004

✓ Robert M. Hockaday  
Robert M. Hockaday

Executed at Los Alamos, New Mexico USA  
(Town & State/Country)  
On (date) 6 April 2004

✓ Patrick S. Turner  
Patrick S. Turner

Executed at Los  
(Town & State/Country)  
On (date) \_\_\_\_\_

✓ Zachary R. Bradford  
Zachary R. Bradford

Executed at Los Alamos, NM, USA  
(Town & State/Country)  
On (date) 4/6/04

✓ Mark D. DeJohn  
Mark D. DeJohn

Executed at Valencia Spain  
(Town & State/Country)  
On (date) 4/1/04

✓ Carlos Navas  
Carlos Navas

Executed at \_\_\_\_\_  
(Town & State/Country)  
On (date) \_\_\_\_\_

✓ Roberto L. Vaz  
Roberto L. Vaz

AND said ASSIGNORS authorize and request the Director of the Patent and Trademark Office to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

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Robert G. Hockaday

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Patrick S. Turner

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(Town & State/Country)  
On (date)

✓ Zachary R. Bradford  
Zachary R. Bradford

Executed at Los Alamos, NM, USA  
(Town & State/Country)  
On (date) 4/6/04

✓ Marc D. DeJohn  
Marc D. DeJohn

Executed at   
(Town & State/Country)  
On (date)

✓ Carlos J. Navas  
Carlos J. Navas

Executed at Santa Fe, NM  
(Town & State/Country)  
On (date) 4/7/04

✓ Heathcliff L. Vaz  
Heathcliff L. Vaz