

04-02-2003



Form PTO-1595

(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

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PATENTS ONLYU.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

3.31-03

**Mechanical Solutions, Inc.,
a California corporation**Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other _____

Execution Date: **March 20, 2003**

2. Name and address of receiving party(ies)

Name: **Mechanical Innovations,**Internal Address: **Inc., an Arizona corp**Street Address: **607 East Elkr****Drive**City: **Payson** State: **AZ** Zip: **85541**Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

6,418,745Additional numbers attached? ☐ Yes ☒ No

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

Name: **Richard D. Clarke, Esq.**Internal Address: **Law Office of****Richard D. Clarke**Street Address: **3755 Avocado Blvd.,****#1000**City: **La Mesa** State: **CA** Zip: **91941**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:

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

DO NOT USE THIS SPACE

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.***Richard D. Clarke**

Name of Person Signing

Richard D. Clarke

Signature

24 MAR 2003

Date

Total number of pages including cover sheet, attachments, and documents: **4**

40.00 MAR documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

04/01/2003 DBYRNE

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40.00 MAR

PATENT
REEL: 013897 FRAME: 0585

ASSIGNMENT OF PATENTAttorney Docket Number: **01-RAT/101**

WHEREAS, I, Mechanical Solutions, Inc., a California corporation of Alpine,
California, hereinafter referred to as Patentee, did obtain a United States Patent for an improvement
in HEAT POWERED HEAT PUMP SYSTEM AND METHOD OF MAKING SAME,
issued U.S. Patent No. 6,418,745, granted on July 16, 2002; and whereas, as the only named
Assignee, I am now the sole owner the said aforementioned patent; and

WHEREAS, Mechanical Innovations, Inc., an Arizona corporation of Payson,
Arizona, 85541 hereinafter referred to as "Assignee" whose business mailing address is 607
East Elkridge Drive, City of Payson, and State of Arizona is desirous of acquiring
the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), the receipt
whereof is acknowledged, and other good and valuable consideration, I, the Patentee, by these
presents do sell, assign and transfer unto said Assignee the entire right, title and interest in and to the
said Patent aforesaid; the same to be held and enjoyed by the said Assignee for his own use and
behoof, and for his legal representatives and assigns, to the full end of the term for which said Patent
is granted, as fully and entirely as the same would have been held by me had this assignment and sale
not been made.

Executed this 20th Day of MARCH, 2003,

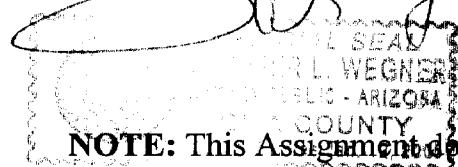
at PAYSON AZ

State of AZ County of Coconino City, State

Signed: 20th day
of Mar, 2003 Frank W. Ratliff

Notary [Signature] Signed: Frank W. Ratliff

Frank W. Ratliff, President
Mechanical Solutions, Inc.

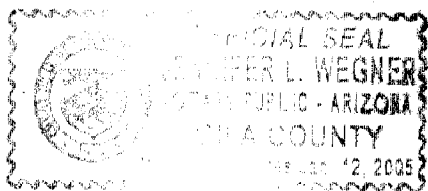


NOTE: This Assignment document must be Notarized. Please see attached Acknowledgment.

State of Arizona]

County of Gila]

(stamp)



On this 20th day of March,
2003, before me Jennifer L. Wegner,
a Notary Public, personally appeared
Frank W. Ratliff

- ☐ personally known to me
- ☐ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is (are)
subscribed to this instrument, and acknowl-
edged to me that he (she) (they) executed it.

Jennifer L. Wegner
Notary Public

3-20-03
Date