



To the Director of the U.S. Patent and Trademark Office

103365521

Comments or the new address(es) below.

1.19.07

1. Name of conveying party(ies):

Jack E. Bridges

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

2. Name and address of receiving party(ies)

Name: Pyrophase, Inc.

Internal Address: _____

Street Address: _____

5000 S. Cornell Ave.

City: Chicago

State: IL

Country: USA Zip: _____

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

113268 U.S. PTO
11/655533

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3. Nature of conveyance/Execution Date(s):

Execution Date(s): January 18, 2006

- Assignment Merger Change of Name
- Security Agreement Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

A. Patent Application No.(s)
This application

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Stephen G. Rudisill
JENKENS & GILCHRIST, A
PROFESSIONAL CORPORATION

Internal Address: Atty. Dkt.: 70442-00002USPT
Street Address: 225 W. Washington, Ste. 2600

City: Chicago
State: IL Zip: 60606-3418
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Email Address: srudisill@jenkens.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number _____
Authorized User Name _____

9. Signature:

Signature

January 19, 2007

Date

Stephen G. Rudisill - 20,087
Name of Person Signing

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

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV750285375US, on the date shown below in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: January 19, 2007

Signature: Carla Rivera (Carla Rivera)

PATENT

REEL: 018809 FRAME: 0691

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(40.00 DP)

ASSIGNMENT

WHEREAS, I, Jack E. Bridges, have invented certain new and useful improvements in the following: **RADIO FREQUENCY TECHNOLOGY HEATER FOR UNCONVENTIONAL RESOURCES** for which I have made application for United States Letters Patent, the said application having been executed by me concurrently herewith;

WHEREAS, Pyrophase, Inc., a corporation organized and existing under the laws of the State of Delaware, having its principal place of business at 5000 S. Cornell Ave, Chicago, Illinois (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I do hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives my entire right, title and interest in and to said invention and in and to said application and all patents which may be granted therefore, and all provisionals, divisions, reissues, substitutions, continuations, continuation-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to the said ASSIGNEE of my entire right, title and interest.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

I hereby further agree that I will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all provisional, divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

I further authorize and direct my attorneys to insert below* the serial number and filing date of said application now identified as Case Docket No. 70442-00002USPT as soon as the same shall have been made known to them by the United States Patent Office.

*Serial Number:

Filing Date: January 19, 2007

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 18th day of January, 2007.

Jack E. Bridges
Jack E. Bridges

State of Illinois)
County of Cook) ss.:

On this 18th day of January, 2007, before me, a Notary Public, in and for the State and County aforesaid, personally appeared Jack E. Bridges, known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

Carla M. Rivera
Notary Public

My Commission expires:

