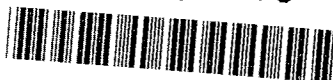


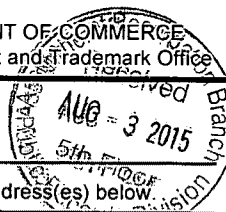
08/03/2015



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U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

ET



To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Robert W. Shaffer

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

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

Execution Date(s) July 14, 2015

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: Air Squared, Inc.

Internal Address: \_\_\_\_\_

Street Address: 510 Burbank Street

City: Broomfield

State: Colorado

Country: USA Zip: 80020

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

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

☐ This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

13/507,779

Additional numbers attached? ☐ Yes ☒ No

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

Name: Paul M. Denk

Internal Address: \_\_\_\_\_

Street Address: 763 S. New Ballas Road, Suite 305

City: St. Louis

State: Missouri Zip: 63141

Phone Number: (314) 872-8136

Docket Number: \_\_\_\_\_

Email Address: denkpatentlaw@earthlink.net

**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 to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 040731

08/04/2015 KNGUYEN1 00000017 13507779  
Authorized User Name Paul M. Denk 40.00  
01 FC:0021

**9. Signature:**

Signature

Date

Paul M. Denk

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

## ASSIGNMENT

WHEREAS, I, the undersigned, Robert W. Shaffer, a citizen of the United States and residing in the City of Broomfield, County of Broomfield, and State of Colorado, and having an address at 510 Burbank Street, Broomfield, Colorado 80020, is an employee of Air Squared, Inc., an Ohio corporation, having a place of business located at 510 Burbank Street, Broomfield, Colorado 80020, and I understand and acknowledge that I enjoy such employment, in part, because of my potential capacity to invent, and that one of my duties as such an employee is to endeavor to make invention and improvements upon the same for the benefit of my employer, and that a condition of said employment is that all patent rights appertaining to any invention by me, in the course of my employment, to be assigned by me unto the said Air Squared, Inc., without any additional charge whatsoever in addition to my salary;

AND WHEREAS, in the course of said employment, I, the undersigned, Robert W. Shaffer, am the inventor having invented certain improvements in

### **Scroll Type Device Including Compressor and**

### **Expander Functions in a Single Scroll Plate Pair**

for which application was made to obtain letters patent of the United States.

NOW, THEREFORE, know all men by these presents that in compliance with the duties and obligations inherent in my aforesaid agreement, and in further consideration of a bonus of One Dollar (\$1.00) in hand paid by Air Squared, Inc., (receipt whereof by me is hereby acknowledged) I, said Robert W. Shaffer do hereby formally assign, transfer, and set over unto said Air Squared, Inc., a corporation, its successors and assigns, all right, title, and interest in and to the aforesaid invention and patent application upon Scroll Type Device Including Compressor and Expander Functions in a Single Scroll Plate Pair, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made; and I agree to execute such further applications, powers of attorney, assignments and other documents as may be necessary or desirable to fully effectuate this agreement.

AND, I further grant to Air Squared, Inc., its successors and assigns, the right to claim for any application for said invention the full benefit of any international agreement between the United States and any foreign country or countries.

AND I DO HEREBY authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent, when granted, to the said its successors and assigns, as assignee of the entire right, title, and interest in and to the said invention, for the sole use and behoof of said Air Squared, Inc., a corporation, for its successors and assigns, to the full ends of the terms for which Letters Patent may be granted.

The Serial Number and filing date for the patent application contained in this assignment is as follows:

Serial No.: 13/507,779      Filed: July 30, 2012

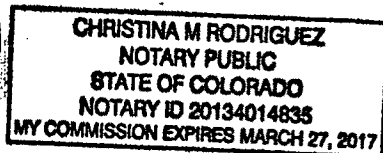
EXECUTED and delivered this 14 day of July, 2015.

By: *Robert W. Shaffer*  
Robert W. Shaffer, President

STATE OF Colorado )  
COUNTY OF Broomfield ) SS:

On this 14 day of July, 2015, before me, a Notary Public, personally appeared Robert W. Shaffer, to me known to be the person named in and who executed the above assignment, and acknowledged to me that he executed the same for the uses and purposes therein mentioned, as his own free act and deed.

[SEAL]



*Christina M. Rodriguez*  
Notary Public

My Commission Expires: 3-27-2017  
D.N. 8108