

02-11-2005

Form PTO-1595 (Rev. 06/04)  
OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

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PATENTS ONLY

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)/Execution Date(s):**

1. Jeffrey F. Klein

Execution Date(s) 3 February 2005

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No**2. Name and address of receiving party(ies)**

Name: LIM Technology, LLC

Internal Address: 150 Blades Lane, Suite E

Street Address: 150 Blades Lane, Suite E

City: Glen Burnie

State: Maryland

Country: USA Zip: 21060

Additional name(s) & address(es) attached? ☐ Yes ☒ No**3. Nature of conveyance:**

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

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

A. Patent Application No.(s)

10/449,754 filed 30 May 2003

PCT/US2004/002514 filed 30 January 2004

☐ This document is being filed together with a new application.

B. Patent No.(s)

6,832,595 issued 21 December 2004

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Royal W. Craig/ Law Offices of Royal W. Craig

Internal Address: 10 N. Calvert Street, Ste 153

Street Address: 10 North Calvert Street, Suite 153

City: Baltimore

State: Maryland Zip: 21202

Phone Number: (410) 385-2383

Fax Number: (410) 385-2385

Email Address: rcraig@patent-law.org

**6. Total number of applications and patents involved:**

3

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 120.00**

- ☐ 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

Royal W. Craig

8 February, 2005

Date

Name of Person Signing

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

4

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

02/10/2005 EC00PER 00000349 10449754

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PATENT  
REEL: 016237 FRAME: 0491

**NAME OF CONVEYING PARTY (ies):**

*Additional conveying party: (ies)*

2. Konstantin Mikhailov

**Execution date:** 3 February 2005

- page 2-

*(Continuation attachment of form PTO-1595)*

## ASSIGNMENT

WHEREAS, the undersigned, to wit:

- 1) **Jeffrey F. Klein** residing at 8106 Tichenor Point Court, Millersville, Maryland 21108.
- 2) **Konstantin Mikhailov** residing at 3637 Chadwick Court, Pasadena, Maryland 21122.

(hereinafter collectively ASSIGNORs), have contributed in whole or in part to an invention, for which an application for Letters Patent of the United States has been filed in the United States Patent and Trademark Office as follows;

- 1) *U.S. Utility Patent Application 10/449,754 for VARIABLE SPRING FORCE INTAKE VALVE ASSEMBLY; Filed: May 30, 2003; Inventors: Jeffrey F. Klein & Konstantin Mikhailov.*
- 2) *U.S. Patent 6,832,595 of Klein, Jeffrey F. et al. for their SELF-CLEANING INTERNAL COMBUSTION ENGINE INTAKE VALVE; issued: December 21, 2004.*
- 3) *PCT Application US2004/002514 for PNEUMATICALLY ACTUATED VALVE FOR INTERNAL COMBUSTION ENGINES; Filed: January 30, 2004; Inventors: Klein, Jeffrey & Mikhailov, Konstantin*

WHEREAS, the conditions under which said inventions were made are such as to entitle Assignee's employer, LIM Technology, LLC, a Limited Liability Company having a principal place of business at 150 Blades Lane, Suite E, Glen Burnie, Maryland 21060 (hereafter ASSIGNEE), to the entire right, title, and interest therein, including foreign rights;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORs do by quitclaim hereby sell, assign, and transfer unto ASSIGNEE and its successors and assigns, their entire right, title, and interest to any and all inventive subject matter invented by us that relates to the above-mentioned application, including that for which we have made application for Letters Patent of the United States and internationally, and all original and reissued patents granted therefor, and all divisions and continuations thereof, including the subjects-matter of any and all claims which may be obtained in every such patent, and the right to apply for and obtain patents, Utility Model Registrations and Inventor's Certificates in countries foreign to the United States, and in and to any Letters Patent, Utility Model Registration or Inventor's Certificate which may be granted thereon in such foreign countries, including all priority rights under the International Convention associated therewith for each country of the Union, and authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue the said Letters Patent, Utility Model Registration or Inventor's Certificate to the said ASSIGNEE, its successors, assigns, nominees or other legal representatives, as assignee of the entire interest;

ASSIGNORs hereby acknowledge that by operation of law or by prior assignment to Assignee any of their interest in the inventive subject matter invented by us that relates to the above-mentioned application, including that for which we have made application for Letters Patent of the United States and internationally, may already be owned by Assignee and that this Assignment is intended as a quitclaim assignment of any residual interest to ensure that Assignee owns the entire undivided right, title and interest thereto. Assignors warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied with respect to above-mentioned application and the aforesaid applications for Letters Patent which will impair, diminish, limit or abridge the Assignee's entire undivided right, title and interest thereto at the time

of the execution of this instrument by ASSIGNOR. ASSIGNORs also acknowledge that their various contributions to the above-mentioned application are properly reflected in the applications for Letters Patent of the United States and internationally, and this quitclaim assignment shall not infer otherwise.

AND, ASSIGNORs hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary for the preparation of filing of such domestic applications or for said ASSIGNEE to exercise its option granted hereunder, including communicating to said ASSIGNEE, its representatives or agents, any facts relating to said invention, including evidence for interference purposes, or for other proceedings, whenever requested, to testify in any interference or other proceedings, whenever requested, and to execute and deliver on request all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon my heirs, legal representatives, administrators and assigns, except that it shall be understood that I shall not be subject to any out-of-pocket expense relative to any such action.

Executed on the date(s) below indicated.

Signature

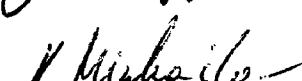
Date Signed

Witness

1)   
Name: **Jeffrey F. Klein**

3 Feb 05



2)   
Name: **Konstantin Mikhailov**

02/03/05



State of Maryland

City of Baltimore

)  
) SS.  
)

Subscribed and sworn to before me, this 3 day of February, 2005.

(SEAL)



Notary Public

My commission expires Feb 6, 2006