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03-26-2010



To the Director of the U.S. Patent and Trad

nents or the new address(es) below.

1. Name of conveying party(ies)

YuMing Zhang
Jinsong Chen

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

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

Execution Date(s) March 11, 2010

- ☒ 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: Adaptive Intelligent Systems, LLC

Internal Address: _____

Street Address: A0208 ASTeCC Building

City: Lexington

State: KY

Country: US Zip: 40506-0286

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

4. Application or patent number(s):

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

A. Patent Application No.(s)

B. Patent No.(s)

12/661433

Additional numbers attached? ☐ Yes ☒ No

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

Name: Stockwell & Smedley, PSC

Internal Address: _____

Street Address: 861 Corporate Drive, Suite 200

City: Lexington

State: KY Zip: 40503

Phone Number: 859-223-3400

Fax Number: 859-224-1399

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- ☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

03/25/2010 MJAMA1 00000030 194430 12661433

Deposit Account Number: 00000030

Authorized User Name Wesley L. Strickland

9. Signature:

Wesley L. Strickland
Signature

March 17, 2010

Date

Wesley L. Strickland

Name of Person Signing

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

7

ASSIGNMENT

WHEREAS, I, YuMing Zhang, of 211 Golf Club Drive, Nicholasville, KY 40356, and I, Jinsong Chen, of 596 Hadlow Street, Lexington, KY 40503 have made a certain new and useful invention as set forth in an application for United States Patent entitled SYSTEMS AND METHODS TO MODIFY GAS METAL ARC WELDING AND ITS VARIANTS and filed:

☒ herewith; or

☐ filed on _____ having serial number _____;

AND WHEREAS, Adaptive Intelligent Systems, LLC, a Kentucky LLC having a place of business at A020B ASTeCC Building, Lexington, KY 40506-0286, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Patents of the United States and foreign countries which may be obtained therefore;

NOW, THEREFORE, for good and valuable consideration, I do hereby sell, assign, transfer and set over unto Adaptive Intelligent Systems, LLC, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, and in and to any and all patents of the United States and foreign countries which may be issued for said invention.

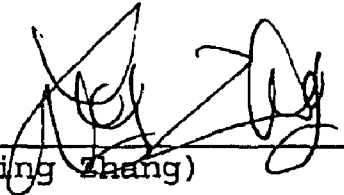
UPON SAID CONSIDERATIONS, I hereby agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reexamined, reissued, continuations, continuations-in-part or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications for patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of assignor and assignee;

AND I request that the Commissioner of Patents and Trademarks issue any Patent of the United States which may be issued for said invention to Adaptive Intelligent Systems, LLC, its legal representatives, successors or assigns, as the sole

owners of the entire right, title and interest in and to said patent and the invention covered thereby.

IN WITNESS WHEREOF, this Assignment is executed this the

11th day of March, 2010.



(YuMing Zhang)

(Jinsong Chen)

ASSIGNMENT

WHEREAS, I, YuMing Zhang, of 211 Golf Club Drive, Nicholasville, KY 40356, and I, Jinsong Chen, of 596 Hadlow Street, Lexington, KY 40503 have made a certain new and useful invention as set forth in an application for United States Patent entitled SYSTEMS AND METHODS TO MODIFY GAS METAL ARC WELDING AND ITS VARIANTS and filed:

☒ herewith; or

☐ filed on _____ having serial number _____;

AND WHEREAS, Adaptive Intelligent Systems, LLC, a Kentucky LLC having a place of business at A020B ASTeCC Building, Lexington, KY 40506-0286, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Patents of the United States and foreign countries which may be obtained therefore;

NOW, THEREFORE, for good and valuable consideration, I do hereby sell, assign, transfer and set over unto Adaptive Intelligent Systems, LLC, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, and in and to any and all patents of the United States and foreign countries which may be issued for said invention.

UPON SAID CONSIDERATIONS, I hereby agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reexamined, reissued, continuations, continuations-in-part or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications for patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of assignor and assignee;

AND I request that the Commissioner of Patents and Trademarks issue any Patent of the United States which may be issued for said invention to Adaptive Intelligent Systems, LLC, its legal representatives, successors or assigns, as the sole

owners of the entire right, title and interest in and to said patent and the invention covered thereby.

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11th day of March, 2010.

(YuMing Zhang)

Jin song Chen.
(Jinsong Chen)