

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT2909445

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
U.S. BANK NATIONAL ASSOCIATION	06/20/2014
RECEIVING PARTY DATA	
Name:	APCI, LLC
Street Address:	3800 WEBER ROAD
City:	ST. LOUIS
State/Country:	MISSOURI
Postal Code:	63125
PROPERTY NUMBERS Total: 13	
Property Type	Number
Application Number:	13462655
Application Number:	13309054
Application Number:	61630124
Application Number:	61630130
Application Number:	61630146
Application Number:	61630131
Application Number:	61630156
Application Number:	61630129
Application Number:	61630128
Application Number:	61626642
Patent Number:	8070039
Patent Number:	8181841
PCT Number:	US2011048785
CORRESPONDENCE DATA	
Fax Number:	(314)667-3633
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	3145526000
Email:	ipdocket@thompsoncoburn.com
Correspondent Name:	MATTHEW J. HIMICH
Address Line 1:	ONE US BANK PLAZA

PATENT

Address Line 4: ST. LOUIS, MISSOURI 63101	
ATTORNEY DOCKET NUMBER:	299/103752
NAME OF SUBMITTER:	MATTHEW J. HIMICH
SIGNATURE:	/matthew j. himich/
DATE SIGNED:	06/23/2014
Total Attachments: 2 source=Stupp Bros Inc _Signed Release of Security Interests#page1.tif source=Stupp Bros Inc _Signed Release of Security Interests#page2.tif	

RELEASE OF SECURITY INTERESTS

THIS RELEASE OF SECURITY INTERESTS (this "Release") is made and entered into as of June 20, 2014, by U.S. BANK NATIONAL ASSOCIATION, a national banking association ("Bank"), in favor of APCI, LLC, an Indiana limited liability company ("Debtor").

1. Bank is the current holder of the liens and security interests in the patents and patent applications in Schedule A attached hereto.

2. Bank hereby releases its liens and security interests and resigns any and all right, title, and interest it may have in and to those patents and patent applications listed in Schedule A attached hereto, under the Patent, Trademark and License Security Agreement executed by Debtor in favor of Bank, as of January 25, 2013 and recorded with the United States Patent and Trademark Office on April 11, 2013, at reel and frame number 030197/0725.

IN WITNESS WHEREOF, the undersigned has caused this Release to be executed by its duly authorized officer as of the date first set forth above.

Bank:

U.S. BANK NATIONAL ASSOCIATION

By Heather N. Hinkelman
Heather N. Hinkelman, CTP, Vice President

CERTIFICATE OF ACKNOWLEDGMENT

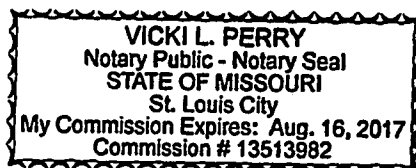
STATE OF MISSOURI)
) ss.
CITY OF ST. LOUIS)

On June 20th, 2014, before me appeared Heather N. Hinkelman, to me personally known, who, being by me duly sworn, did say that she is a Vice President of U.S. BANK NATIONAL ASSOCIATION, a national banking association, and that said instrument was signed in behalf of said banking association and with duly authorized authority; and said Vice President acknowledged said instrument to be the free act and deed of said banking association.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the County and State aforesaid, the day and year first above written.

Vicki L. Perry
Notary Public

My Commission Expires: 8/16/2017



SCHEDULE A

U.S. Issued Patents:

1. Patent Number: US 8,070,039, issued 12-6-11
2. Patent Number: US 8,181,841, issued 5-22-12

U.S. Pending Applications:

3. Application number: 13/462,655 Linear Friction Welder System and Method, filed May 2, 2012
4. Application number: 13/309,054 Linear Friction Welder with Helical Groove, filed December 1, 2011
5. LFW Apparatus (X-Y Motion) Serial Number: 61/630,124, APCI Attorney Ref. No. A11.011
6. LFW Method (Coupon Welds) Serial Number: 61/630,130, APCI Attorney Ref. No. All.005
7. Repair Method & fixtures. LFW Method (Flash Trap) Serial Number: 61/630,146, APCI Attorney Ref. No. A11.016
8. LFW Method (Form Shaping) Serial Number: 61/630,146, APCI Attorney Ref. No. A11.018
9. LFW Apparatus & Method (Moon Chip) Serial Number: 61/630,131, APCI Attorney Ref. No. A11.006
10. LFW Apparatus & Method (Tube Oscillator) Serial Number: 61/630,156, APCI Attorney Ref. No. A11.002
11. LFW Apparatus & Method (Multi-Blade to Rotor Hub) Serial Number: 61/630,129, APCI Attorney Ref. No. A11.003
12. LFW Apparatus (Dual Head Oscillator) Serial Number: 61/630,128, APCI Attorney Ref. No. A11.004
13. LFW for Continuous Rods Serial Number: 61/626,642 (Abandoned) , APCI Attorney Ref. No. All.017

Foreign Application:

14. PCT/U52011/048785 Linear Friction Welding System with Eccentrics, Filed August 23, 2011

Invention Disclosures:

15. Weld Profile: Description: Use of APCI, LFW to create a unique weld profile, APCI Attorney Ref. No. A11.014
16. Zero Load LFW Fixtures: Description: Fixtures eliminate load forces on work pieces. , APCI Attorney Ref. No. A11.012
17. Torque Load Control System: Description: Control System for LFW that monitors torque., APCI Attorney Ref. No. A11.013