OMB No. 0651-0027 (exp. 04/30/2015)	14/756935 11/09/2015 10/30/2015
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To the Director of the U.S. Patent and Trademark Office: Ple	ease record the attached documents or the new address(es) below.
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
	Name:MechCracker Corporation
Christopher Mothersele	Internal Address:Suite 740
Additional name(s) of conveying party(ies) attached? Yes X 3. Nature of conveyance/Execution Date(s):	
Execution Date(s)October 30, 2015	Street Address: One Executive Place
X Assignment Merger	1816 Crowchild Trail, NW
Security Agreement Change of Name	City: Calgary
Joint Research Agreement	
Government Interest Assignment	State:Alberta
Executive Order 9424, Confirmatory License	Country: <u>Canada</u> Zip: <u>T2M 3Y7</u>
Other	
4. Application or patent number(s):	Additional name(s) & address(es) attached? Yes X s document is being filed together with a new application
A. Patent Application No.(s)	B. Patent No.(s)
14 756935	
1	
Additional numbers a	
5. Name and address to whom correspondence	
concerning document should be mailed:	6. Total number of applications and patents
concerning document should be mailed: Name: George A. Seaby, Seaby & Associates	involved: 1
Name: George A. Seaby, Seaby & Associates	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u>
-	involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u>
Name: <u>George A. Seaby, Seaby &amp; Associates</u> Internal Address: <u>Suite 603</u>	involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41)       \$40.00         Authorized to be charged to deposit account
Name: George A. Seaby, Seaby & Associates	involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41)       \$40.00         Authorized to be charged to deposit account         X Enclosed
Name: <u>George A. Seaby, Seaby &amp; Associates</u> Internal Address: <u>Suite 603</u> Street Address: <u>250 City Centre Avenue</u>	involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41)       \$40.00         Authorized to be charged to deposit account         X Enclosed         None required (government interest not affecting till
Name: George A. Seaby, Seaby & Associates Internal Address: Suite 603 Street Address: 250 City Centre Avenue City: Ottawa	involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41)       \$40.00         Authorized to be charged to deposit account         X Enclosed
Name: George A. Seaby, Seaby & Associates         Internal Address: Suite 603         Street Address: 250 City Centre Avenue         City: Ottawa         State: Ontario       Zip:K1R 6K7	involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41)       \$40.00         Authorized to be charged to deposit account         X Enclosed         None required (government interest not affecting till
Name: George A. Seaby, Seaby & Associates Internal Address: Suite 603 Street Address: 250 City Centre Avenue City: Ottawa State: Ontario Zip: K1R 6K7 Phone Number: 613-232-5815	involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41)       \$40.00         Authorized to be charged to deposit account         X Enclosed         None required (government interest not affecting till         8. Payment Information
Name: George A. Seaby, Seaby & Associates         Internal Address: Suite 603         Street Address: 250 City Centre Avenue         City: Ottawa         State: Ontario       Zip:K1R 6K7         Phone Number       613-232-5815         Docket Number       613-232-5831	involved:       1         7. Total fee (37 CFR 1.21(h) & 3.41)       \$40.00         Authorized to be charged to deposit account         X Enclosed         None required (government interest not affecting till         8. Payment Information         Deposit Account Number
Name: George A. Seaby, Seaby & Associates Internal Address: Suite 603 Street Address: 250 City Centre Avenue City: Ottawa State: Ontario Zip: K1R 6K7 Phone Number: 613-232-5815	involved: 1         7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00         Authorized to be charged to deposit account         X Enclosed         None required (government interest not affecting till         8. Payment Information
Name: George A. Seaby, Seaby & Associates         Internal Address: Suite 603         Street Address: 250 City Centre Avenue         City: Ottawa         State: Ontario       Zip:K1R 6K7         Phone Number 613-232-5815         Docket Number 613-232-5831         Email Address: office@seaby.cap         9. Signature:       Jeorger Q. Jeeby	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 till 8. Payment Information Deposit Account Number Authorized User Name
Name: George A. Seaby, Seaby & Associates         Internal Address: Suite 603         Street Address: 250 City Centre Avenue         City: Ottawa         State: Ontario       Zip:K1R 6K7         Phone Number£13-232-5815         Docket Number£13-232-5831         Email Address: office@seaby.ca/1	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 till 8. Payment Information Deposit Account Number Authorized User Name October 30, 2015 Date
Name: George A. Seaby, Seaby & Associates         Internal Address: Suite 603         Street Address: 250 City Centre Avenue         City: Ottawa         State: Ontario       Zip:K1R 6K7         Phone Number 613-232-5815         Docket Number 613-232-5831         Email Address: office@seaby.cap         9. Signature:       Jeorge A. Seaby         George A. Seaby	involved: 1         7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00         Authorized to be charged to deposit account         X Enclosed         None required (government interest not affecting till         8. Payment Information         Deposit Account Number         Authorized User Name         October 30, 2015         Date         Total number of pages including cover
Name: George A. Seaby, Seaby & Associates         Internal Address: Suite 603         Street Address: 250 City Centre Avenue         City: Ottawa         State: Ontario       Zip:K1R 6K7         Phone Number 613-232-5815         Docket Number 613-232-5831         Email Address: office@seaby.can         9. Signature:       Jourge J. Leeby         George A. Seaby         Name of Person Signing         Documents to be recorded (Including cover she	involved: 1         7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00         Authorized to be charged to deposit account         X Enclosed         None required (government interest not affecting tit         8. Payment Information         Deposit Account Number         Authorized User Name         October 30, 2015         Date

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## ASSIGNMENT

WHEREAS, Christopher Mothersele, a citizen of Canada, whose address is 316 Coach Grove Place, SW, Calgary, Alberta T3H 1J3 Canada, (hereinafter called ASSIGNOR) has invented certain new and useful improvements in CAVITATION HYDROCARBON REFINING for which application for Letters Patent of the United States has been made; and

WHEREAS, MechCracker Corporation, a Canadian Company, whose address is Suite 740, One Executive Place, 1816 Crowchild Trail, NW, Calgary, Alberta T2M 3Y7 Canada, (hereinafter called ASSIGNEE), is desirous of acquiring all right, title and interest in the United States and all foreign countries in and to the aforesaid invention, and in, to and under any and all patents to be obtained therefore.

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR has and by these presents does hereby sell, assign and transfer unto ASSIGNEE, its successors, and assigns his entire right, title and interest in and to said invention as described in the application filed herewith in any form or embodiment thereof, and in and to the aforesaid application; also their entire right, title and interest in and to any and all patents, reissues or extensions thereof to be obtained in the United States and all foreign countries on said invention, and any divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention in the United States and all foreign countries; and the issuing authority is hereby authorized and requested to issue any and all patents on said invention to ASSIGNEE.

ASSIGNOR further agrees without any payment by ASSIGNEE, other than expenses incurred by ASSIGNOR, to communicate to ASSIGNEE, its representatives or agents, 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 any legal heirs, legal representatives, administrators and assigns, and ASSIGNOR hereby warrants that, at the time of execution and delivery of this instrument, he is the lawful owners of the entire right, title and interest in and to said invention and said application, and that the same are unencumbered and that they have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

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## PATENT REEL: 037080 FRAME: 0280

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Christopher Mothersele

## PATENT REEL: 037080 FRAME: 0281

RECORDED: 10/30/2015