

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SALVATORE SHIFRIN	12/21/2023
	MICHELLE SHIFRIN	12/21/2023
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State/Country:	ALABAMA	
Postal Code:	35758	
PROPERTY NUMBERS Total: 3		
	Property Type	Number
	Patent Number:	7579703
	Patent Number:	8125096
	Patent Number:	8581430
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NAME OF SUBMITTER:	BRIAN T. SATTIZAHN	
SIGNATURE:	/Brian T. Sattizahn/	
DATE SIGNED:	01/05/2024	
Total Attachments: 7		
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PATENT

REEL: 066039 FRAME: 0494

PATENT ASSIGNMENT

WHEREAS, SALVATORE SHIFRIN and MICHELLE SHIFRIN, individuals whose mailing address is 114 Mansfield Hollow Road, Mansfield Center, Connecticut, 06250, (hereinafter referred to as "Assignors") own certain new and useful improvements ("inventions") as described and set forth in the applications and Letters Patent listed in "Schedule A," which is attached; and

WHEREAS, Mesa Associates, Inc, a Company established in the State of Alabama, which has an address 480 Production Avenue, Madison, AL 35758 (hereinafter referred to as "Assignee") in desirous of acquiring the entire right, title and interest in and to the inventions of the applications and Letters Patent listed in Schedule A, and in and to any Letters Patent that may issue thereon in connection with its acquisition of substantially all of the assets of NuSTREEM, LLC, a Connecticut limited liability company ("Licensee") pursuant to that certain Asset Purchase Agreement by and between Assignee and Licensee dated December 22, 2023 (the "Acquisition");

WHEREAS, prior to the Acquisition Licensee held a worldwide license for the inventions pursuant to that certain License Agreement by and between the Assignors and Licensee dated April 7, 2017 (the "License Agreement"); and

WHEREAS, immediately prior to the closing of the Acquisition, the License Agreement has been terminated and the Assignors have agreed to transfer all right, title, and interest in and to the inventions to the Assignee upon the terms and conditions set forth below.

NOW THEREFORE, for and in good and valuable consideration, including consideration to be provided to Assignors from Licensee under a separate agreement, the receipt and sufficiency of which is hereby acknowledged, Assignors do hereby sell, assign and transfer unto Assignee, its successors, assigns and legal representatives the full and exclusive right, title and interest in and to said inventions and in and to said applications and Letters Patent listed in Schedule A, and all patents which may be granted therefrom, to all provisional rights arising from pre-issuance publications of said applications, and to all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and do hereby authorize and request that all patents for said inventions, or patents resulting therefrom, insofar as Assignors' interest is concerned, be issued to Assignee of said entire right, title and interest.

Assignors also hereby sell and assign to Assignee, its successors, assigns and legal representatives the full and exclusive right, title and interest to the inventions disclosed in said applications and Letters Patent listed in Schedule A throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said inventions and all rights to register said inventions in appropriate registries, all foreign rights arising from pre-grant publication of said applications; and further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee, its successors, assigns and legal representatives.

Assignors hereby further agree, at the expense of Assignee, to testify in any legal proceedings, execute all lawful papers, including without limitation, all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in Assignee and to aid Assignee, its successors, assignees and legal representatives to obtain and enforce proper protection for said inventions in all countries.

[Signatures on Following Page]

Dated: 12/21/23

Salvatore Shifrin
Salvatore Shifrin

Dated: 12/21/23

Michelle A Shifrin
Michelle Shifrin

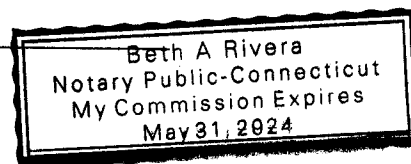
STATE OF CONNECTICUT)
COUNTY OF Tolland) SS.:

BEFORE ME, a Notary Public, on this 21st day of December, in the year of 2023, personally appeared SALVATORE SHIFRIN, known to me to be the person whose name in subscribed to the foregoing instrument and acknowledged to me that be executed same of his own free will for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL of office this 21st day of Dec A.D. 2023.

Notary Public Beth A Rivera

Commission Expires



STATE OF CONNECTICUT)
COUNTY OF Tolland) SS.:

BEFORE ME, a Notary Public, on this 21st day of December, in the year of 2023, personally appeared MICHELLE SHIFRIN, known to me to be the person— whose name in subscribed to the foregoing instrument and acknowledged to me that be executed same of her own free will for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL of office this 21st day of Dec A.D. 2023.

Notary Public Beth A Rivera

Commission Expires



SCHEDULE A

SHRIFRINS Patents and Applications

September 22, 2023

1. United States Patent Number 7,579,703 B2

Granted: August 25, 2009
Title: Hydroelectric In-pipe Generator
Application Number 12/154,171
Filed: May 21, 2008

Assigned May 23, 2017 From Joseph Salvatore Shifrin to
Salvatore Shifrin
78 Blacktop Road
Windham CT 06280

And

Michelle Shifrin
78 Blacktop Road
Windham CT 06280

2. United States Patent Number 8,125,096 B2

Granted: February 28, 2012
Title: Hydro Turbine Generator
Application Number 12/217,336
Filed: July 3, 2008

Assigned May 23, 2017 From Salvatore Shifrin and Joseph Salvatore Shifrin to
Salvatore Shifrin
78 Blacktop Road
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And

Michelle Shifrin
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Windham CT 06280

3. International Patent Application Number PCT/US2009/003894

Date of Application: June 30, 2009
Title: Hydro Turbine Generator
International Publication Number: WO 2010/002452 A2
International Publication Date: January 7, 2010

4. Canadian Patent Number 2 729 753 C

Granted: September 13, 2016
Title: Hydro Turbine Generator

National Entry Date: December 30, 2010
National Phase of PCT/US2009/003894

5. European Patent Number EP 2 307 704 B1

Granted: August 8, 2018
Title: Hydro Turbine Generator
Application Number 09773905.6
Filed: June 30, 2009
Regional Phase of PCT/US2009/003894

6. Spanish Patent Number ES 2 685 747

Granted: October 11, 2018
Based on European Patent No.: EP 2 307 704 B1

7. Danish Patent Number DK/EP 2307704 T3

Granted: November 26, 2018
Based on European Patent No.: EP 2 307 704 B1

8. Mexico Patent Number MX 325086 B

Granted: May 11, 2014
Publication Number: 2011000133
Publication Date: November 18, 2011
National Phase of PCT/US2009/003894

9. ¹United States Patent Number 8,581,430 B2

Granted: November 12, 2013
Title: Hydro Turbine Generator
Application Number 13/402,097
Filed February 22, 2012

Assigned May 23, 2017 From Salvatore Shifrin and Joseph Salvatore Shifrin to
Salvatore Shifrin
78 Blacktop Road
Windham CT 06280
And
Michelle Shifrin
78 Blacktop Road
Windham CT 06280

10. United States Patent Application Number 17/598,513

Date of Application: September 27, 2021
Title: Self-Contained Hydraulic Lock Apparatus
Publication Number: US 2022/0145774 A1
Publication Date: May 12, 2022

¹ Continuation in Part of application Number 12/217,336 Patent Number 8,125,096 (expanded scope)

Applicant Salvatore Shifrin
National Phase of PCT/US2020/025252

No Assignment From Salvatore Shifrin

11. International Patent Application Number PCT/US2020/025252

Date of Application: March 27, 2020
Title: Self-Contained Hydraulic Lock Apparatus
International Publication Number: WO 2020/198599 A1
International Publication Date: October 10, 2020

No Assignment From Salvatore Shifrin

Reconciliation from the license patent listings

US	Patent 8,125,096	Hydro Turbine Generator
Original Patent for the Turbine. Base patent for extension to Canada and European Patents 2,729,753 and EP2,307,704 respectively.		
US	Patent 8,581,430	Hydro Turbine Generator
Follow on patent from the original (above) with increased scope.		
Europe	Patent Application No. PCT/US2009/003894	Hydro Turbine Generator
European patent application that became European patent EP 2,307,704		
Canada	Patent 2,720,753	Hydro Turbine Generator
Incorrect number-original list contained a typo- should be listed as Patent 2,729,753, no change.		
Mexico	Patent MX 2011000133	Hydro Turbine Generator
The license referenced the application number in error. The Mexico Patent is MX 325086 B		
Europe	Patent Application No. 09773905.6	Hydro Turbine Generator
Another reference to the same European Patent EP 2,307,704 awarded August 8, 2018		
US	Patent 7,579,703	In-Pipe Turbine
Reference to the In-pipe turbine; no change.		
US	Application 17/598,513	Self-Contained Hydraulic Lock
Apparatus		
International	Application WO 2020/198599	Self-Contained Hydraulic Lock
Apparatus		
New submissions		