

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7007638

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
INNOVATOR ENERGY, LLC	11/03/2021

RECEIVING PARTY DATA

Name:	SOLVCOR TECHNOLOGIES, LLC
Street Address:	303A COLLEGE ROAD EAST
City:	PRINCETON
State/Country:	NEW JERSEY
Postal Code:	08540

PROPERTY NUMBERS Total: 42

Property Type	Number
Application Number:	15424218
Application Number:	62969211
Application Number:	62987972
Application Number:	62771902
Application Number:	62771923
Application Number:	62822501
Application Number:	62872851
Application Number:	62969774
Application Number:	62976398
Application Number:	62984394
Application Number:	62988999
Application Number:	62090272
Application Number:	62106822
Application Number:	62159481
Application Number:	62290519
Application Number:	62309666
Application Number:	62325620
Application Number:	62363445
Application Number:	62375471
Application Number:	62622528

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Property Type	Number
Application Number:	62670117
Application Number:	62734398
Application Number:	16226182
Application Number:	16797110
Application Number:	16445855
Application Number:	16552391
Application Number:	16580962
Application Number:	15476494
Application Number:	16258384
Application Number:	16258395
Application Number:	16826469
Application Number:	14826771
Application Number:	17166658
Application Number:	17166700
Application Number:	17210053
PCT Number:	US1564669
PCT Number:	US1915283
PCT Number:	US1716512
PCT Number:	US2116374
PCT Number:	US2024128
PCT Number:	US2117316
PCT Number:	US2121874

CORRESPONDENCE DATA

Fax Number: (713)220-4285

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.

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Email: gregporter@huntonak.com

Correspondent Name: HUNTON ANDREWS KURTH LLP

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Address Line 2: SUITE 4200

Address Line 4: HOUSTON, TEXAS 77002

NAME OF SUBMITTER:	JEANNE DUNN
SIGNATURE:	/Jeanne Dunn/
DATE SIGNED:	11/04/2021

Total Attachments: 6

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REEL: 058022 FRAME: 0544

**ASSIGNMENT BETWEEN INNOVATOR ENERGY, LLC AND SOLVCOR
TECHNOLOGIES, LLC**

WHEREAS, INNOVATOR ENERGY, LLC ("ASSIGNOR"), is the owner of certain patents and patent applications listed on the attached Schedule A; and,

WHEREAS, SOLVCOR TECHNOLOGIES, LLC ("ASSIGNEE"), a company, having a principal place of business at 303A College Road East, Princeton, NJ 08540, USA, created and existing under and by virtue of the laws of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over to ASSIGNEE all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, continuations-in-part, reexaminations and reissues thereof and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by ASSIGNEE, for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted, reexamined or reissued, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, and reissues thereof to ASSIGNEE, as assignee of ASSIGNOR'S entire interest, and hereby covenant that ASSIGNOR has the full right to convey the entire interest herein assigned, and that ASSIGNOR has not executed and will not execute any agreement in conflict herewith.

And ASSIGNOR further hereby covenants and agrees that ASSIGNOR will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to ASSIGNEE, its successors, assigns, or other legal representatives and that if ASSIGNEE, its successors, assigns or other legal representatives shall desire to file any divisional or continuation applications or to secure a reexamination or reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and the procuring thereof and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And ASSIGNOR does further covenant and agree that ASSIGNOR will, at any time upon request, communicate to ASSIGNEE, its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to ASSIGNOR, and testify as to the same in any interference or other litigation when requested so to

do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

IN WITNESS WHEREOF, I have hereunto set hand and seal this 3 day of November, 2021.

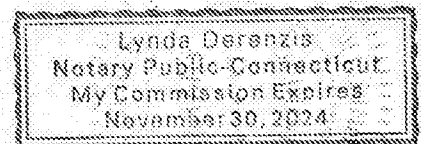
Ethan J. Novek
ETHAN J. NOVEK
CEO, INNOVATOR ENERGY, LLC

THE STATE OF ~~NEW JERSEY~~ ^{CONNECTICUT} §
COUNTY OF ~~MERCER~~ ^{GREENWICH} §
~~FARFIELD~~

BEFORE ME, the undersigned authority, on this day personally appeared **ETHAN J. NOVEK**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 3rd day of November, 2021.

Lynda Derenzis
Notary Public in and for the State of ~~New Jersey~~ ^{CONNECTICUT}



IN WITNESS WHEREOF, I have hereunto set hand and seal this 3 day of November, 2021.

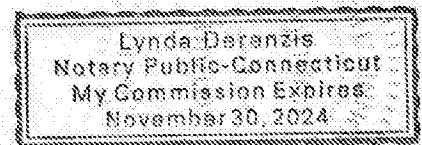
Ethan J. Novek
ETHAN J. NOVEK, CEO
SOLVCOR TECHNOLOGIES, LLC

THE STATE OF ~~NEW JERSEY~~ ^{CONNECTICUT} §
COUNTY OF ~~MERCER~~ ^{GREENWICH} §
~~FAIRFIELD~~

BEFORE ME, the undersigned authority, on this day personally appeared **ETHAN J. NOVEK**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 3rd day of NOVEMBER 2021.

Lynda DeRanzis
Notary Public in and for the State of ~~New Jersey~~ ^{CONNECTICUT}



SCHEDULE A

Application #	Title	Date Filed	Grant Date	Patent #
15/424,218	INTEGRATED PROCESS FOR CAPTURING CARBON DIOXIDE	Feb 3, 2017		
62/969,211	LIQUID-LIQUID PHASE TRANSITION THERMAL STORAGE IN STRATIFIED LIQUID TANK	Feb 3, 2020		
62/987,972	LIQUID PHASE TRANSITION COMPOSITIONS EXHIBITING NOVEL ATTRIBUTES, CHARACTERISTICS AND PERFORMANCE	Mar 11, 2020		
62/771,902	NOVEL UCST, LCST, AND OTHER REAGENT COMPOSITIONS AND NOVEL SYSTEMS AND METHODS FACILITATED/ENABLED BY THEIR PROPERTIES	Nov 27, 2018		
62/771,923	UCST PHASE CHANGE CHEMICAL ABSORPTION ACID GAS SEPARATION PROCESSES	Nov 27, 2018		
62/822,501	INTERNAL LIQUID PHASE HEAT PUMP AND CONTROLLED PHASE TRANSITION GAS OR FLUID SEPARATION	Mar 22, 2019		
62/872,851	SYSTEMS AND METHODS FOR LIQUID - LIQUID PHASE TRANSITIONING HEAT TRANSFER, PHASE TRANSITION TEMPERATURE ADJUSTMENT, PHASE TRANSITION PROPERTY ADJUSTMENT, PHASE TRANSITIONING COMPOUNDS, PHASE TRANSITIONING REFRIGERATION CYCLES AND CONFIGURATIONS	Jul 11, 2019		
62/968,774	SYSTEMS, METHODS AND DEVICES FOR LIQUID-LIQUID PHASE TRANSITION HEAT TRANSFER, THERMAL STORAGE, AND REFRIGERATION CYCLES	Feb 4, 2020		
62/976,398	LIQUID PHASE REFRIGERATION CYCLE EXAMPLES	Feb 14, 2020		
62/984,394	LIQUID PHASE REFRIGERATION CYCLE POWERED BY OSMOTIC PRESSURE DIFFERENCES OR BY TEMPERATURE DIFFERENCES OR BOTH	Mar 3, 2020		
62/988,999	REFRIGERATION CYCLES EMPLOYING LIQUID-LIQUID PHASE TRANSITIONS	Mar 13, 2020		
62/090,272	LOW GRADE WASTE HEAT RECOVERY AND CARBON SEQUESTRATION USING AN INNOVATIVE REVERSE ELECTRODIALYSIS (RED) AND PRESSURE RETARDED OSMOSIS (PRO) SYSTEM	Dec 10, 2014		
62/106,822	MULTI-PURPOSE LOW GRADE HEAT RECOVERY SYSTEMS AND METHODS	Jan 23, 2015		
62/159,481	AMMONIUM BICARBONATE CARBONATE BATTERY	May 11, 2015		
62/290,519	SOLVENT ADDITION TO AMMONIUM BICARBONATE TO CAPTURE CARBON DIOXIDE	Feb 3, 2016		
62/309,666	SUBSTANCE ADDITION CARBON CAPTURE	Mar 17, 2016		
62/325,620	METHODS FOR TRANSFORMING FLUE GAS INTO HIGH PURITY OR CAPTURED CO2	Apr 21, 2016		

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62/363,445	CO2 CAPTURE AND CONVERSION PROCESSES	Jul 18, 2016		
62/375,471	PROCESS AND METHODS FOR CO2 CAPTURE	Aug 16, 2016		
62/622,528	GAS SEPARATION / CO2 CAPTURE INTEGRATED PROCESS	Jan 26, 2018		
62/670,117	OSMOTIC ENERGY STORAGE EMPLOYING THERMALLY SENSITIVE POLYMERS	May 11, 2018		
62/734,398	NOVEL ACID GAS SEPARATION TECHNOLOGIES	Sep 21, 2018		
16/226,182	SYSTEMS AND METHODS FOR SEPARATING GASES	Dec 19, 2018	Mar 3, 2020	10,576,413
16/797,110	SYSTEMS AND METHODS FOR SEPARATING GASES	Feb 21, 2020	Oct 13, 2020	10,799,829
16/445,855	SYSTEMS AND METHODS FOR ACTIVE CLOUD POINT ADJUSTMENT AND REFRIGERATION CYCLES	Jun 19, 2019	Nov 12, 2019	10,472,550
16/552,391	REGENERABLE BATTERY FOR ELECTRICITY GENERATION FROM GAS SEPARATION PROCESS OR CAPTURED CARBON DIOXIDE	Aug 27, 2019	Apr 20, 2021	10,981,106
16/580,962	SYSTEMS AND METHODS FOR ACTIVE CLOUD POINT ADJUSTMENT AND REFRIGERATION CYCLES	Sep 24, 2019	Oct 20, 2020	10,808,156
15/476,494	INTEGRATED PROCESS FOR CARBON CAPTURE AND ENERGY PRODUCTION	Mar 31, 2017	Mar 19, 2019	10,233,089
16/258,384	SYSTEMS AND METHODS FOR ACTIVE CLOUD POINT ADJUSTMENT AND REFRIGERATION CYCLES	Jan 25, 2019	Sep 17, 2019	10,414,961
16/258,395	SYSTEMS AND METHODS FOR ACTIVE CLOUD POINT ADJUSTMENT AND REFRIGERATION CYCLES	Jan 25, 2019	Sep 3, 2019	10,400,148
16/826,469	REFRIGERATION CYCLES WITH LIQUID-LIQUID PHASE TRANSITIONS	Mar 23, 2020	Mar 16, 2021	10,948,224
14/826,771	INTEGRATED PROCESS FOR CARBON CAPTURE AND ENERGY PRODUCTION	Aug 14, 2015	Apr 18, 2017	9,624,111
17/166,658	SYSTEMS AND ADJUSTABLE AND HIGH ENERGY DENSITY THERMAL STORAGE	Feb 3, 2021		
17/166,700	SYSTEMS AND METHODS FOR HIGH ENERGY DENSITY HEAT TRANSFER	Feb 3, 2021		
17/210,053	REGENERABLE BATTERY FOR ELECTRICITY GENERATION FROM GAS SEPARATION PROCESS OR CAPTURED CARBON DIOXIDE	Mar 23, 2021		
15/424,218	INTEGRATED PROCESS FOR CAPTURING CARBON DIOXIDE	February 3, 2017		
PCT/US2015/064669	INTEGRATED PROCESS FOR CARBON CAPTURE AND ENERGY PRODUCTION	Dec 9, 2015		
PCT/US2019/015283	SYSTEMS AND METHODS FOR ACTIVE CLOUD POINT ADJUSTMENT AND REFRIGERATION CYCLES	Jan 25, 2019		
PCT/US2017/016512	INTEGRATED PROCESS FOR CAPTURING CARBON DIOXIDE	Feb 3, 2017		
PCT/US2021/016374	SYSTEMS AND METHODS FOR HEAT TRANSFER, THERMAL STORAGE, AND REFRIGERATION	Feb 3, 2021		
PCT/US2020/024128	REFRIGERATION CYCLE WITH LIQUID-LIQUID PHASE TRANSITIONS	Mar 23, 2020		

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PCT/US2021/017316	SYSTEMS AND METHODS FOR SEPARATING GASES	Feb 10, 2021		
PCT/US2021/021874	LIQUID-LIQUID PHASE TRANSITION COMPOSITIONS AND PROCESSES	Mar 11, 2021		