

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7364347

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
THE AES CORPORATION	09/09/2021
RECEIVING PARTY DATA	
Name:	FLUENCE ENERGY, LLC
Street Address:	4601 N. FAIRFAX DRIVE
Internal Address:	SUITE 600
City:	ARLINGTON
State/Country:	VIRGINIA
Postal Code:	22203
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17692793
CORRESPONDENCE DATA	
Fax Number:	(610)407-0701
<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:	202-715-2898
Email:	jallen@ratnerprestia.com
Correspondent Name:	RATNERPRESTIA
Address Line 1:	1090 VERMONT AVE NW
Address Line 2:	SUITE 1200
Address Line 4:	WASHINGTON, D.C. 20005
ATTORNEY DOCKET NUMBER:	FLUE-111US1
NAME OF SUBMITTER:	SUNJEEV S. SIKAND
SIGNATURE:	/Sunjeev S. Sikand/
DATE SIGNED:	06/02/2022
Total Attachments: 10	
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INTELLECTUAL PROPERTY ASSIGNMENT

THIS ASSIGNMENT, dated as of September 9, 2021 (the "Effective Date"), by **The AES Corporation** (hereinafter referred to as "the Assignor") having its principal place of business at **4300 Wilson Blvd, Arlington, VA 22203**, respectively, witnesseth:

WHEREAS, the Assignor is the owner of certain new and useful improvements set forth in the patents and patent applications set forth on Exhibit A to this IP Assignment (collectively, "Assigned IP").

WHEREAS, **Fluence Energy, LLC**, (hereinafter referred to as "the Assignee") having its principal place of business at **4601 N. Fairfax Drive, Suite 600, Arlington, VA 22203**, is desirous of acquiring all of Assignor's right, title, and interest in and to said Assigned IP.

NOW, THEREFORE, for good and sufficient consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor and Assignee agree as follows:

1. Assignor has sold, assigned, transferred, conveyed and delivered, and hereby sells, assigns, transfers, conveys, and delivers, to Assignee and its successors and assigns, and Assignee hereby acquires and accepts from Assignor, all of Assignor's right, title and interest in, to and under the Assigned IP.
2. The foregoing assignment of the Assigned IP includes (a) all rights to file for and maintain registrations for the Assigned IP, including all rights to seek and obtain corrections and extensions thereon, including continuation, divisional, continuation-in-part, reexamination and reissue applications, (b) all rights of action accrued, accruing and to accrue under and by virtue of the Assigned IP; and (c) all right to sue or otherwise recover for past, present and future infringement and to receive all damages, payments, costs and fees associated therewith.
3. To the extent applicable, Assignor hereby authorizes Assignee to request the applicable Governmental Entities to record Assignee as the assignee and owner of the Assigned IP, and hereby consents to such recordal.
4. At Assignee's request and for no additional consideration, Assignor agrees to execute and deliver any additional documents and other instruments and do such other acts as may be reasonably necessary to effect such assignment and transfer.
5. This IP Assignment may be executed in one or more counterparts, and by the different parties hereto in separate counterparts, each of which when executed shall be deemed to be an original but all of which taken together shall constitute one and the same agreement. Delivery of an executed counterpart of a signature page to this IP Assignment by facsimile, email or other electronic transfer shall be effective as delivery of a manually executed counterpart to this IP Assignment.

[Signature page follows]

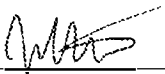
IN WITNESS WHEREOF, the parties have executed this Intellectual Property Assignment as of the Effective Date.

ASSIGNOR:

ASSIGNEE:

The AES Corporation

Fluence Energy, LLC

By:  _____

Name: Chris Shelton

Title: Senior Vice President and Chief Product Officer

By: _____

Name:

Title:

IN WITNESS WHEREOF, the parties have executed this Intellectual Property Assignment as of the Effective Date.

ASSIGNOR:

ASSIGNEE:

The AES Corporation

Fluence Energy, LLC

By: _____

Name:

Title:

By: 

Name: Brett L Galura

Title: SVP & Chief Technology Officer



Francis A. Fuselier
SVP, General Counsel and Secretary

Exhibit A

ASSIGNED IP

[see attached]

MLB Reference No.	Title	Country	Status	Appl. Number	Filing Date	Patent Number	Issue Date
042785-04-5002	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Brazil	Closed		07-Dec-2012		
042785-04-5002	METHOD AND SYSTEM FOR CONTROLLING A STATE OF CHARGE (SOC) OF AN ENERGY STORAGE DEVICE AND FOR ADJUSTING A RATE OF CHANGE OF AN OUTPUT OF A VARIABLE ENERGY GENERATION SOURCE WITH AN ENERGY STORAGE UNIT BY ADJUSTING RESPONSES TO GRID OPERATOR COMMANDS IN..	Chile	Granted	2014-01491	07-Dec-2012	56.090	04-Apr-2018
042785-04-5002	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	China (People's Republic)	Closed		07-Dec-2012		
042785-04-5002	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	European Patent Convention	Closed		07-Dec-2012		
042785-04-5002	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	India	Closed		07-Dec-2012		
042785-04-5002	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Patent Cooperation Treaty	Completed	PCT/U512/68566	07-Dec-2012		
042785-04-5002	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Russian Federation	Closed		07-Dec-2012		
042785-04-5002	METHOD AND SYSTEM FOR PERFORMANCE MANAGEMENT OF AN ENERGY STORAGE DEVICE	United States of America	Allowed	14/362,856	04-Jun-2014		
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Austria	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Belgium	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Brazil	Pending	PI0919662-5	08-Oct-2009		
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Chile	Granted	801-2011	08-Oct-2009	53.438	23-Sep-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	China (People's Republic)	Granted	200980149553.0	08-Oct-2009	ZL200980149553.0	14-Jan-2015
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Czech Republic	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Denmark	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	European Patent Convention	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Finland	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	France	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Germany	Granted	09819560.5	08-Oct-2009	602009038270.5	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Hungary	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	India	Pending	3128/DELNP/2011	08-Oct-2009		

042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Ireland	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Italy	Granted	09819560.5	08-Oct-2009	502016000074213	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Netherlands	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Norway	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Patent Cooperation Treaty	Completed	PCT/US09/0055.11	08-Oct-2009		
042785-04-5003	METHOD AND SYSTEM FOR MANAGING THE STATE OF CHARGE OF ENERGY STORAGE DEVICES FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID AND IN RESPONSE TO OPERATION FREQUENCY PARAMETER CHANGES ON THE ELECTRICAL POWER GRID	Peru	Granted	870-2011	08-Oct-2009	7689	30-Dec-2015
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Poland	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Russian Federation	Granted	2011117931	08-Oct-2009	2492566	10-Sep-2013
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Spain	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Sweden	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Switzerland	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	Turkey	Granted	09819560.5	08-Oct-2009	201610194	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	United Kingdom	Granted	09819560.5	08-Oct-2009	2351189	27-Apr-2016
042785-04-5003	FREQUENCY RESPONSIVE CHARGE SUSTAINING CONTROL OF ELECTRICITY STORAGE SYSTEMS FOR ANCILLARY SERVICES ON AN ELECTRICAL POWER GRID	United States of America	Granted	12/248,106	09-Oct-2008	7,839,027	23-Nov-2010
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Argentina	Granted	20110100769	11-Mar-2011	AR080498B1	30-Aug-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Austria	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Belgium	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Brazil	Granted	112012022923-0	10-Mar-2011	112012022923-0	11/26/2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Chile	Granted	2505-2012	10-Mar-2011	52.075	10-Mar-2011
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	China (People's Republic)	Granted	201180020603.2	10-Mar-2011	2L201180020603.2	01-Mar-2017
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Czech Republic	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Denmark	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	European Patent Convention	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Finland	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	France	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Germany	Granted	11753720.9	10-Mar-2011	602011062906.9	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Hungary	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	India	Granted	8239/DELNP/2012	10-Mar-2011	373173	29-Jul-2021

042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Ireland	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Italy	Granted	11753720.9	10-Mar-2011	502020000002638	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Netherlands	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Norway	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Patent Cooperation Treaty	Completed	PCT/US11/000446	10-Mar-2011		
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Poland	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Portugal	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Russian Federation	Granted	2012143401	10-Mar-2011	2565235	16-Sep-2015
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Slovakia	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Spain	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Sweden	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Switzerland	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	Turkey	Granted	11753720.9	10-Mar-2011	201922033	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	United Kingdom	Granted	11753720.9	10-Mar-2011	2545632	23-Oct-2019
042785-04-5004	REGULATION OF CONTRIBUTION OF SECONDARY ENERGY SOURCES TO POWER GRID	United States of America	Granted	12/722,271	11-Mar-2010	8,914,158	16-Dec-2014
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Austria	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Belgium	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Brazil	Pending	BR112013032742-1	19-Jun-2012		
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Chile	Granted	2013-03690	19-Jun-2012	53104	04-Aug-2016
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	China (People's Republic)	Granted	201280040497.9	19-Jun-2012	ZL 201280040497.9	08-Sep-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Czech Republic	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Denmark	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	European Patent Convention	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Finland	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	France	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Germany	Granted	12803361.0	19-Jun-2012	602012039284.3	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Hungary	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	India	Pending	11066/DELNP/2013	19-Jun-2012		
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Ireland	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017

042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Italy	Granted	12803361.0	19-Jun-2012	502018000003240	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Netherlands	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Norway	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Patent Cooperation Treaty	Completed	PCT/US12/43138	19-Jun-2012		
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Poland	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Russian Federation	Granted	2014101451	19-Jun-2012	2642422	25-Jan-2018
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Spain	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Sweden	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Switzerland	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	Turkey	Granted	12803361.0	19-Jun-2012	201801202	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	United Kingdom	Granted	12803361.0	19-Jun-2012	2721710	01-Nov-2017
042785-04-5005	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	United States of America	Granted	13/527,290	19-Jun-2012	9,559,520	31-Jan-2017
042785-04-5005 / 01	HYBRID ELECTRIC GENERATING POWER PLANT THAT USES A COMBINATION OF REAL-TIME GENERATION FACILITIES AND ENERGY STORAGE SYSTEM	United States of America	Granted	15/394,400	29-Dec-2016	9,847,648	19-Dec-2017
042785-04-5006	METHOD AND APPARATUS FOR CONTROLLING ENERGY SERVICES BASED ON MARKET DATA	Brazil	Pending	BR112013032908-4	19-Jun-2012		
042785-04-5006	METHOD AND APPARATUS FOR CONTROLLING ENERGY SERVICES BASED ON MARKET DATA	Chile	Granted	3689-2013	19-Jun-2012	52531	10-Mar-2016
042785-04-5006	METHOD AND APPARATUS FOR CONTROLLING ENERGY SERVICES BASED ON MARKET DATA	China (People's Republic)	Granted	201280040458.9	19-Jun-2012	2L201280040458.9	02-Mar-2016
042785-04-5006	METHOD AND APPARATUS FOR CONTROLLING ENERGY SERVICES BASED ON MARKET DATA	European Patent Convention	Published	12803431.1	19-Jun-2012		
042785-04-5006	METHOD AND APPARATUS FOR CONTROLLING ENERGY SERVICES BASED ON MARKET DATA	India	Pending	11069/DELNP/2013	19-Jun-2012		
042785-04-5006	METHOD AND APPARATUS FOR CONTROLLING ENERGY SERVICES BASED ON MARKET DATA	Patent Cooperation Treaty	Completed	PCT/US12/43143	19-Jun-2012		
042785-04-5006	METHOD AND APPARATUS FOR CONTROLLING ENERGY SERVICES BASED ON MARKET DATA	Russian Federation	Granted	2014101450	19-Jun-2012	2601957	18-Oct-2016
042785-04-5006	METHOD AND APPARATUS FOR CONTROLLING ENERGY SERVICES BASED ON MARKET DATA	United States of America	Granted	13/527,354	19-Jun-2012	9,020,800	28-Apr-2015
042785-04-5007	AUTOMATED ROBOTIC BATTERY TUG	Brazil	Pending	BR102016011590-6	20-May-2016		
042785-04-5007	AUTOMATED ROBOTIC BATTERY TUG	Chile	Allowed	2016-01237	23-May-2016	59861	4/22/2020
042785-04-5007	AUTOMATED ROBOTIC BATTERY TUG	China (People's Republic)	Abandoned	201610363480.7	26-May-2016		
042785-04-5007	AUTOMATED ROBOTIC BATTERY TUG	European Patent Convention	Abandoned	16171154.4	24-May-2016		
042785-04-5007	AUTOMATED ROBOTIC BATTERY TUG	India	Pending	201614017856	24-May-2016		
042785-04-5007	AUTOMATED ROBOTIC BATTERY TUG	Korea, Republic of	Published	10-2016-63992	25-May-2016		
042785-04-5007	AUTOMATED ROBOTIC BATTERY TUG	Philippines	Published	1-2016-000205	26-May-2016		
042785-04-5007	AUTOMATED ROBOTIC BATTERY TUG	Russian Federation	Abandoned	2016120583	25-May-2016		
042785-04-5007	AUTOMATED ROBOTIC BATTERY TUG	United States of America	Granted	14/721,522	26-May-2015	10,272,567	30-Apr-2019
042785-04-5007 / 01	AUTOMATED ROBOTIC BATTERY TUG	United States of America	Published	16/399,549	30-Apr-2019		
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Austria	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Belgium	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Brazil	Pending	BR102016011934-0	25-May-2016		
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Chile	Allowed	2016-01259	24-May-2016	60540	6/8/2020

042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	China (People's Republic)	Allowed	201610362322.X	26-May-2016		
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Czech Republic	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Denmark	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	European Patent Convention	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Finland	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	France	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Germany	Granted	16171170.0	24-May-2016	602016033379.1	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Hungary	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	India	Pending	201614017858	24-May-2016		
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Ireland	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Italy	Granted	16171170.0	24-May-2016	502020000054988	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Korea, Republic of	Published	10-2016-64825	26-May-2016		
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Netherlands	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Norway	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Philippines	Allowed	1-2016-000207	26-May-2016		
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Poland	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Russian Federation	Granted	2016120358	25-May-2016	2690003	30-May-2019
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Spain	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Sweden	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Switzerland	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	Turkey	Granted	16171170.0	24-May-2016	202010481	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	United Kingdom	Granted	16171170.0	24-May-2016	3098927	08-Apr-2020
042785-04-5008	MODULAR ENERGY STORAGE METHOD AND SYSTEM	United States of America	Granted	14/721,582	26-May-2015	9,929,594	27-Mar-2018
042785-04-5009	BATTERY BACKUP CAPACITY METHOD AND SYSTEM	Brazil	Abandoned	BR102016019472-5	24-Aug-2016		
042785-04-5009	BATTERY BACKUP CAPACITY METHOD AND SYSTEM	Chile	Granted	2016-02139	24-Aug-2016	57.927	05-Jun-2019
042785-04-5009	BATTERY BACKUP CAPACITY METHOD AND SYSTEM	China (People's Republic)	Published	201610730320.1	25-Aug-2016		
042785-04-5009	BATTERY BACKUP CAPACITY METHOD AND SYSTEM	European Patent Convention	Published	16185831.1	26-Aug-2016		
042785-04-5009	BATTERY BACKUP CAPACITY METHOD AND SYSTEM	India	Abandoned	201614027513	11-Aug-2016		
042785-04-5009	BATTERY BACKUP CAPACITY METHOD AND SYSTEM	Korea, Republic of	Published	10-2016-107556	24-Aug-2016		
042785-04-5009	BATTERY BACKUP CAPACITY METHOD AND SYSTEM	Philippines	Abandoned	1-2016-000301	25-Aug-2016		
042785-04-5009	BATTERY BACKUP CAPACITY METHOD AND SYSTEM	Russian Federation	Granted	2016134797	25-Aug-2016	2690507	04-Jun-2019
042785-04-5009	BATTERY BACKUP CAPACITY METHOD AND SYSTEM	United States of America	Abandoned	14/836,340	26-Aug-2015		
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Austria	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Belgium	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Brazil	Published	BR102016011925-1	25-May-2016		
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Chile	Allowed	2016-01270	25-May-2016	59869	30-Apr-2020
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	China (People's Republic)	Published	201610363604.1	26-May-2016		
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Czech Republic	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Denmark	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	European Patent Convention	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Finland	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	France	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Germany	Granted	16171174.2	24-May-2016	602016022441.0	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Hungary	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	India	Pending	201614017857	24-May-2016		
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Ireland	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Italy	Granted	16171174.2	24-May-2016	502020000001282	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Korea, Republic of	Published	10-2016-64208	25-May-2016		

042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Netherlands	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Norway	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Philippines	Allowed	1-2016-000206	26-May-2016		
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Poland	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Russian Federation	Granted	2016120585	25-May-2016	2713427	05-Feb-2020
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Spain	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Sweden	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Switzerland	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	Turkey	Granted	16171174.2	24-May-2016	201919625	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	United Kingdom	Granted	16171174.2	24-May-2016	3098926	16-Oct-2019
042785-04-5010	METHOD AND SYSTEM FOR SELF-REGISTRATION AND SELF-ASSEMBLY OF ELECTRICAL DEVICES	United States of America	Granted	14/721,533	26-May-2015	9,819,708	14-Nov-2017
042785-04-5017	UTILITY-SCALE RENEWABLE PEAKER PLANT, TIGHTLY COUPLED SOLAR PV AND ENERGY STORAGE	Brazil	Published	1120200197602	22-Oct-2020		
042785-04-5017	UTILITY-SCALE RENEWABLE PEAKER PLANT, TIGHTLY COUPLED SOLAR PV AND ENERGY STORAGE	Chile	Published	202002527	30-Sep-2020		
042785-04-5017	UTILITY-SCALE RENEWABLE PEAKER PLANT, TIGHTLY COUPLED SOLAR PV AND ENERGY STORAGE	China (People's Republic)	Published	201980023823.7	30-Sep-2020		
042785-04-5017	UTILITY-SCALE RENEWABLE PEAKER PLANT, TIGHTLY COUPLED SOLAR PV AND ENERGY STORAGE	European Patent Convention	Published	19775922.8	30-Oct-2020		
042785-04-5017	UTILITY-SCALE RENEWABLE PEAKER PLANT, TIGHTLY COUPLED SOLAR PV AND ENERGY STORAGE	India	Pending	202017046127	22-Oct-2020		
042785-04-5017	UTILITY-SCALE RENEWABLE PEAKER PLANT, TIGHTLY COUPLED SOLAR PV AND ENERGY STORAGE	Korea, Republic of	Published	2020-7031277	29-Oct-2020		
042785-04-5017	UTILITY-SCALE RENEWABLE PEAKER PLANT, TIGHTLY COUPLED SOLAR PV AND ENERGY STORAGE	Philippines	Pending	12020551563	25-Sep-2020		
042785-04-5017	UTILITY-SCALE RENEWABLE PEAKER PLANT, TIGHTLY COUPLED SOLAR PV AND ENERGY STORAGE	Russian Federation	Pending	2020135633	29-Oct-2020		
042785-04-5017	UTILITY-SCALE RENEWABLE PEAKER PLANT, TIGHTLY COUPLED SOLAR PV AND ENERGY STORAGE	United States of America	Published	16/369,600	29-Mar-2019		