

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5450016

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
PLUG POWER INC.	03/29/2019
EMERGING POWER INC.	03/29/2019
EMERGENT POWER INC.	03/29/2019

RECEIVING PARTY DATA

Name:	GENERATE LENDING, LLC
Street Address:	555 DE HARO STREET, SUITE 300
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94107

PROPERTY NUMBERS Total: 124

Property Type	Number
Application Number:	09294719
Application Number:	09283391
Application Number:	09371818
Application Number:	09398608
Application Number:	09629243
Application Number:	09552452
Application Number:	09675417
Application Number:	09676153
Application Number:	09871055
Application Number:	13721627
Application Number:	13724146
Application Number:	11299862
Application Number:	11287715
Application Number:	10232293
Application Number:	10872923
Application Number:	11303471
Application Number:	09389958
Application Number:	09629537

PATENT

Property Type	Number
Application Number:	10429535
Application Number:	09702708
Application Number:	10348460
Application Number:	10941760
Application Number:	09694461
Application Number:	11503853
Application Number:	09749297
Application Number:	10158177
Application Number:	09728227
Application Number:	10145828
Application Number:	10265025
Application Number:	09779772
Application Number:	09694768
Application Number:	09749261
Application Number:	10927183
Application Number:	11022330
Application Number:	10158254
Application Number:	09896333
Application Number:	11319042
Application Number:	09406674
Application Number:	10210004
Application Number:	09385667
Application Number:	10200278
Application Number:	09472649
Application Number:	09629003
Application Number:	09502887
Application Number:	09472759
Application Number:	10421568
Application Number:	09502885
Application Number:	09703082
Application Number:	09843522
Application Number:	10004713
Application Number:	09749298
Application Number:	10703930
Application Number:	10703234
Application Number:	09726798
Application Number:	10264539
Application Number:	09396158

Property Type	Number
Application Number:	09382296
Application Number:	11364419
Application Number:	10699615
Application Number:	11605630
Application Number:	09383466
Application Number:	09397830
Application Number:	09405689
Application Number:	09384499
Application Number:	09629548
Application Number:	09540673
Application Number:	09443229
Application Number:	09777156
Application Number:	09703249
Application Number:	09716346
Application Number:	10158705
Application Number:	10838559
Application Number:	10121340
Application Number:	10118389
Application Number:	10247990
Application Number:	09980106
Application Number:	11219898
Application Number:	10158253
Application Number:	10121267
Application Number:	10402531
Application Number:	10739723
Application Number:	10213798
Application Number:	10214019
Application Number:	09896268
Application Number:	10184291
Application Number:	11823602
Application Number:	09957360
Application Number:	10684622
Application Number:	10893075
Application Number:	09928719
Application Number:	10097216
Application Number:	10187082
Application Number:	10187033
Application Number:	11823553

Property Type	Number
Application Number:	10830929
Application Number:	09792085
Application Number:	09854056
Application Number:	09577407
Application Number:	09916791
Application Number:	09544781
Application Number:	09987225
Application Number:	09864526
Application Number:	10431870
Application Number:	10269600
Application Number:	10056543
Application Number:	10430928
Application Number:	10431069
Application Number:	10431158
Application Number:	10428455
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Application Number:	11978124
Application Number:	11207123
Application Number:	13909953
Application Number:	11811624
Application Number:	15388517
Application Number:	15388547
Application Number:	15969876
Application Number:	15887946
Application Number:	14468228

CORRESPONDENCE DATA

Fax Number: (404)885-3900

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.

Phone: 4048853155

Email: austin.padgett@troutman.com

Correspondent Name: AUSTIN PADGETT

Address Line 1: 600 PEACHTREE ST. NE, SUITE 3000

Address Line 4: ATLANTA, GEORGIA 30308

PATENT

REEL: 048751 FRAME: 0399

ATTORNEY DOCKET NUMBER:	247197.000052
NAME OF SUBMITTER:	AUSTIN PADGETT
SIGNATURE:	/Austin Padgett/
DATE SIGNED:	04/01/2019

Total Attachments: 23

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT (this “IP Security Agreement”) is dated as of the 29th day of March, 2019, and executed by PLUG POWER INC., a Delaware corporation, EMERGING POWER INC., a Delaware corporation, and EMERGENT POWER INC., a Delaware corporation (collectively, the “Grantors” and each, a “Grantor”), in favor of GENERATE LENDING, LLC (the “Secured Party”).

Capitalized terms used and not otherwise defined herein shall have the meanings assigned to them in the Loan and Security Agreement dated as of March 29, 2019 (as amended, restated, extended, supplemented or otherwise modified from time to time, the “Loan Agreement”), among the Grantors, as “Borrower” thereunder, and the Secured Party.

Subject to the terms of Section 3 (Security Interest) of the Loan Agreement, each Grantor hereby grants to the Secured Party a continuing security interest in, lien on and right of set-off against, all of the Grantor’s right, title and interest in and to (a) the United States patents and patent applications described on Schedule 1 attached hereto and made a part hereof, (b) the United States trademarks and trademark applications described on Schedule 2 attached hereto and made a part hereof, and (c) the United States copyrights and copyright applications described on Schedule 3 attached hereto and made a part hereof, in each case, to secure the payment and performance of the Obligations.

This IP Security Agreement shall be construed in accordance with and governed by the laws of the State of New York, except as otherwise required by mandatory provisions of law and except to the extent that remedies provided by the laws of any jurisdiction other than New York are governed by the laws of such jurisdiction.

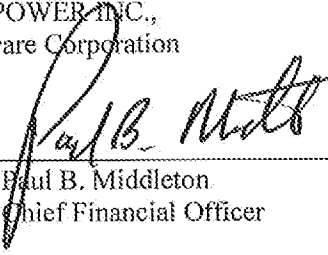
This IP Security Agreement may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so executed and delivered shall be deemed to be an original and all of which taken together shall constitute but one and the same instrument.

The provisions of this IP Security Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns. Section 11.7 (Successors and Assigns) of the Loan Agreement shall apply hereto, mutatis mutandis. In the event of any conflict between the terms of this IP Security Agreement and the terms of Section 3 (Security Interest) of the Loan Agreement, the terms of Section 3 (Security Interest) of the Loan Agreement shall control.

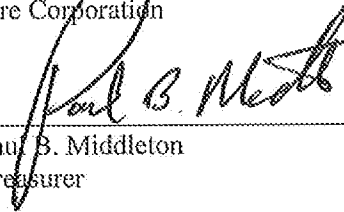
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IN WITNESS WHEREOF, each Grantor has caused this Intellectual Property Security Agreement to be duly executed by its duly authorized officer, all as of the date first above written.

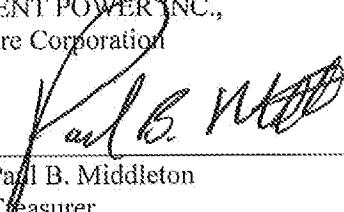
PLUG POWER INC.,
a Delaware Corporation

By: 
Name: Paul B. Middleton
Title: Chief Financial Officer

EMERGING POWER INC.,
a Delaware Corporation

By: 
Name: Paul B. Middleton
Title: Treasurer

EMERGENT POWER INC.,
a Delaware Corporation

By: 
Name: Paul B. Middleton
Title: Treasurer

SCHEDULE 1
TO IP SECURITY AGREEMENT

REGISTERED PATENTS AND APPLICATIONS

[See attached.]

HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.015		6110612	2000-08-29	Structure for common access and support of fuel cell stacks	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)	PCT/US2000/10318 claims benefit of 09/294719	09/294719	1999-04-19	4/19/2019	Complete - final maintenance fee paid - Expires 4/19/2019
1404.026		6146779	2000-11-14	Fluid flow plate, fuel cell assembly system, and method employing same for controlling heat in fuel cells	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)	PCT/US00/08504 filed on 03-30-2000 which is Published claims the benefit of 09/283,391	09/283391	1999-04-01	4/1/2019	Complete - final maintenance fee paid - Expires 4/1/2019
1404.041		6200698	2001-03-13	End plate assembly having a two-phase fluid-filled bladder and method for compressing a fuel cell stack	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)		09/371818	1999-08-11	8/24/2019	Complete - final maintenance fee paid - Expires 8/11/2019
1404.047		6152049	2000-11-21	Fluid flow plate for distribution of hydration fluid in a fuel cell	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)	09/643,812 filed on 08-22-2000 which is Patented claims the benefit of 09/398,608	09/398608	1999-09-17	9/17/2019	Complete - final maintenance fee paid - Expires 9/17/2019
1404.053	Ida Tech	6447022	2002-09-10	Flexible connector	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)		09/629243	2000-07-31	7/31/2020	Complete - final maintenance fee paid - Expires 7/31/2020
1404.054		6649293	2003-11-18	Heatable end plate, fuel cell assembly, and method for operating a fuel cell assembly	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)	09/843,521 filed on 04-27-2001 which is Patented claims the benefit of 09/552,452	09/552452	2000-04-18	4/18/2020	Complete - final maintenance fee paid - Expires 4/18/2020
1404.056		6686078	2004-02-03	Method of reformer operation to prevent fuel cell flooding	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)		09/675417	2000-09-29	2/7/2021	Complete - final maintenance fee paid - Expires 2/7/2021
1404.059		6514634	2003-02-04	Method and system for humidification of a fuel	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)		09/676153	2000-09-29	5/17/2021	Complete - final maintenance fee paid - Expires 5/17/2021

PATENT

Plug Power - U.S. Patents Only

HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.065		6670062	2003-12-30	Methods and systems for humidifying fuel for use in fuel processors and fuel cell systems	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)		09/871055	2001-05-31	4/4/2022	Complete - final maintenance fee paid - Expires 4/4/2022
1404.076A		6670062	6/6/2017	Fuel Cell-Vehicle Communications Systems And Methods	Plug Power Inc.	Non-Provisional of 61/557,777		13/721,627	12/20/2012	12/6/2020	Maintenance fee
1404.084A		671334	7/8/2014	Reactant Conditioning Scheme For Fuel Cell Systems	Plug Power Inc.	Non-Provisional of 61/578,740		13/724,146	12/21/2012	1/8/2022	Maintenance fee
1404.088B		8158289	4/17/2012	Integrated High Temperature Pem Fuel Cell System		Continuation of 10/121,189 abandoned, which claims priority to 60/287,207		11/299,862	12/12/2005	10/17/2019	Maintenance fee
1404.096B	Ida Tech	7326481	2008-02-05	Fuel cell system		Plug Power Inc. (Latham, NY, US)		11/287715	2005-11-28	8/5/2019	Maintenance fee
1404.096A	Ida Tech	6979506	2005-12-27	Fuel cell system	Plug Power, Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)	Claims priority to 60/316,499; 11/287,715 now 7,326,481 and 11/287,686 abandoned claim priority	10/232293	2002-08-30	10/24/2023	Complete - final maintenance fee paid - Expires 10/24/2023
1404.097	Ida Tech	7445233	2008-11-11	Integrated fuel cell stack thermostat	Plug Power, Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)		10/872923	2004-06-21	5/11/2020	Maintenance fee
1404.099	Ida Tech	7915854	3/29/2011	Maximizing Energy Storage Life In A Fuel Cell System Using Active Temperature Compensation	Plug Power, Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)		11/303471	12/16/2005	9/29/2022	Maintenance fee
1404.101	Ida Tech	6329090	2001-12-11	Enthalpy recovery fuel cell system	Plug Power LLC (Latham, NY)	Plug Power LLC (Latham, NY)	PCT/US2000/22295 claims benefit of 09/389,958	09/389958	1999-09-03	9/3/2019	Complete - final maintenance fee paid - Expires 9/3/2019
1404.102	Ida Tech	6558826	2003-05-06	Fuel cell system fluid recovery	Plug Power, Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)	10/429535 (7514165) and 10/430,886 (abandoned) claims benefit of 09/629,537	09/629537	2000-07-31	7/31/2020	Complete - final maintenance fee paid - Expires 7/31/2020
1404.102A	Ida Tech	7514165	2009-04-07	Fuel cell system fluid recovery		Plug Power Inc. (Latham, NY, US)	Division of 6,558,826	10/429535	2003-05-05	10/7/2020	Maintenance fee
1404.103	Ida Tech	6562506	2003-05-13	Fuel-cell system with a pivotable stack installation assembly	Plug Power, LLC (Latham, NY)	Plug Power, LLC (Latham, NY)		09/702708	2000-10-31	2/20/2021	Complete - final maintenance fee paid - Expires 2/20/2021

PATENT

HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.104A	Ida Tech	6784135	2004-08-31	Thermal regulating catalyst composition	Plug Power, Inc. (Latham, NY, US)	Power Plug, Inc. (DE)	Continuation of 09/676,841 now abandoned	10/348460	2003-01-21	9/29/2020	Complete - final maintenance fee paid - Expires 9/29/2020
1404.105	Ida Tech	7099787	2006-08-29	Technique and apparatus to measure a fuel cell parameter	Plug Power, Inc. (Latham, NY, US)	Plug Power, Inc. (Latham, NY, US)		10/941760	2004-09-15	9/15/2024	Complete - final maintenance fee paid - Expires 09/15/2024
1404.106	Ida Tech	6527692	2003-03-25	Method of operating a fuel cell system	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)		09/694461	2000-10-23	6/27/2021	Complete - final maintenance fee paid - Expires 6/27/2021
1404.107B	Ida Tech	7551458	5/31/2011	Method And Apparatus For Controlling An Integrated Fuel Cell System	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)	Continuation of 10/158,754 (abandoned); claims priority to 60/294,710 and a CIP of 6,581,015	11/503,853	8/14/2006	5/31/2019	Maintenance fee - Due in Grace Period
1404.107	Ida Tech	6581015	2003-06-17	Technique and apparatus to control the transient response of a fuel cell system	Plug Power Inc. (Latham, NY)	Plug Power, Inc. (Latham, NY, US)	10/158,754 (abandoned) and 11/503,853 claim benefit of 09/749,297	09/749297	2000-12-27	7/14/2021	Complete - final maintenance fee paid - Expires 7/14/2021
1404.108	Ida Tech	6881508	2005-04-19	Apparatus and method for controlling a fuel cell system	Plug Power Inc. (Latham, NY, US)	Plug Power, Inc. (Latham, NY, US)	11/072,144 claims benefit of 10/158,177	10/158177	2002-05-30	8/15/2023	Complete - final maintenance fee paid - Expires 8/15/2023
1404.109	Ida Tech	6551733	2003-04-22	Controlling the temperature at which fuel cell exhaust is oxidized	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)		09/728227	2000-11-30	3/2/2021	Complete - final maintenance fee paid - Expires 3/2/2021
1404.110	Ida Tech	7222001	2007-05-22	System for monitoring and controlling fuel cell-based power generation units	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)		10/145828	2002-05-14	5/22/2019	Maintenance fee - Due in Grace Period
1404.111A	Ida Tech	7264895	2007-09-04	Fuel cell thermal management system	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)	Claims priority from 60/636,447; 11/891,005 (abandoned) claims benefit from 10/265,025	10/265025	2002-10-04	9/4/2019	Maintenance fee - Due in Grace Period

PATENT

Plug Power - U.S. Patents Only

HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.112	Ida Tech	6504339	2003-01-07	Technique and apparatus to control the charging of a battery using a fuel cell	Plug Power, Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)		09/779772	2001-02-08	2/8/2021	Complete - final maintenance fee paid - Expires 2/8/2021
1404.113	Ida Tech	6576356	2003-06-10	Preconditioning membranes of a fuel cell stack	Plug Power, Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)		09/694768	2000-10-23	12/27/2020	Complete - final maintenance fee paid - Expires 12/27/2020
1404.114	Ida Tech	6697745	2004-02-24	Technique and apparatus to control the transient response of a fuel cell system	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)		09/749261	2000-12-27	5/28/2021	Complete - final maintenance fee paid - Expires 5/28/2021
1404.115	Ida Tech	7410931	2008-08-12	Thermal regulating catalyst composition	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)		10/927183	2004-08-26	2/12/2020	Maintenance fee
1404.116	Ida Tech	7416799	2008-08-26	Oxidizer for a fuel cell system	Plug Power, Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)		11/022330	2004-12-23	2/26/2020	Maintenance fee
1404.117A	Ida Tech	6913848	2005-07-05	Fuel cell reactant control	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)	Claims priority from 60/294,765	10/158254	2002-05-30	12/25/2022	Complete - final maintenance fee paid - Expires 12/25/2022

PATENT

HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.118	Ida Tech	6696190	2004-02-24	Fuel cell system and method	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)		09/896333	2001-06-29	5/31/2022	Complete - final maintenance fee paid - Expires 05/31/2022
1404.119	Ida Tech	7851096	2010-12-14	Humidifying a reactant flow of a fuel cell system	Plug Power, Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)		11/319042	2005-12-27	6/14/2022	Maintenance fee
1404.120	Ida Tech	6322917	2001-11-27	Diagnostic method and control of preferential oxidation of carbon monoxide	Plug Power, Inc. (Latham, NY)	Plug, Power L. L. C. (Latham, NY)		09/406674	1999-09-27	9/27/2019	Complete - final maintenance fee paid - Expires 09/27/2019
1404.121A	Ida Tech	6743540	2004-06-01	Method and apparatus for collecting condensate in an integrated fuel cell system	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)	Claims priority from 60/309,078	10/210004	2002-07-31	9/10/2022	Complete - final maintenance fee paid - Expires 09/10/2022
1404.122	Ida Tech	6426159	2002-07-30	Sealing method and apparatus for a fuel cell stack	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)	10/200,278 claims benefit of 09/385,667	09/385667	1999-08-27	8/27/2019	Complete - final maintenance fee paid - Expires 8/27/2019
1404.122A	Ida Tech	6786937	2004-09-07	Sealing method and apparatus for a fuel cell stack		Plug Power Inc. (Latham, NY, US)	Division of 6,426,159	10/200278	2002-07-22	4/10/2020	Complete - final maintenance fee paid - Expires 4/10/2020
1404.124	Ida Tech	6140820	2000-10-31	Measuring cell voltages of a fuel cell stack	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)	09/629,003 and PCT/US2000/26458 claim benefit of 09/472,649	09/472649	1999-12-27	12/17/2019	Complete - final maintenance fee paid - Expires 12/17/2019
1404.124A	Ida Tech	6281684	2001-08-28	Technique and apparatus to measure cell voltages of a fuel cell stack using different ground references	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)	Continuation of 6,140,820; PCT/US2000/26458 claim benefit of 09/629,003	09/629003	2000-07-31	12/27/2019	Complete - final maintenance fee paid - Expires 12/27/2019
1404.125	Ida Tech	6489048	2002-12-03	Operating a fuel cell system during low power demand	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)		09/502887	2000-02-11	2/11/2020	Complete - final maintenance fee paid - Expires 2/11/2020

PATENT

Plug Power - U.S. Patents Only

HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.126	Ida Tech	6428917	2002-08-06	Regulating the maximum output current of a fuel cell stack	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)		09/472759	1999-12-27	12/27/2019	Complete - final maintenance fee paid - Expires 12/27/2019
1404.127A	Ida Tech	6787263	2004-09-07	Method and apparatus for establishing a negative pressure inside an enclosure that houses a fuel cell system		Plug Power, Inc. (Latham, NY, US)	Division of 6,610,431	10/421568	2003-04-23	2/11/2020	Complete - final maintenance fee paid - Expires 2/11/2020
1404.127	Ida Tech	6610431	2003-08-26	Method and apparatus for establishing a negative pressure inside an enclosure that houses a fuel cell system	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)	PCT/US2001/04109 and 10/421,568 claim benefit of 09/502,885	09/502885	2000-02-11	2/11/2020	Complete - final maintenance fee paid - Expires 2/11/2020
1404.130	Ida Tech	6733910	2004-05-11	Fuel cell coolant tank system	Plug Power Inc. (Latham, NY)	Power Plug Inc. (DE)		09/703082	2000-10-31	11/7/2020	Complete - final maintenance fee paid - Expires 11/07/2020
1404.131	Ida Tech	6599650	2003-07-29	Fuel cell sealant design	Plug Power Inc. (Latham, NY)	Plug Power, Inc. (Latham, NY, US)		09/843522	2001-04-27	9/15/2021	Complete - final maintenance fee paid - Expires 9/15/2021
1404.132A	Ida Tech	6841287	2005-01-11	Variable pressure drop plate design	Plug Power, Inc. (Latham, NY, US)	Plug Power, Inc. (Latham, NY, US)	Claims priority from 60/257,849	10/004713	2001-12-05	1/21/2023	Complete - final maintenance fee paid - Expires 1/21/2023
1404.133	Ida Tech	6650968	2003-11-18	Technique to regulate an efficiency of a fuel cell system	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)	10/703,234 and 10/703,930 claim benefit of 09/749,298	09/749298	2000-12-27	6/28/2021	Complete - final maintenance fee paid - Expires 6/28/2021
1404.133A	Ida Tech	7166378	2007-01-23	Technique to regulate an efficiency of a fuel cell system		Plug Power Inc. (Latham, NY, US)	Division of 6,650,968	10/703930	2003-11-07	2/22/2022	Complete - final maintenance fee paid - Expires 02/22/2022

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HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.133B	Ida Tech	7166379	2007-01-23	Technique to regulate an efficiency of a fuel cell system		Plug Power Inc. (Latham, NY, US)	Division of 6,650,968	10/703234	2003-11-07	3/4/2022	Complete - final maintenance fee paid - Expires 03/04/2022
1404.135	Ida Tech	6528132	2003-03-04	Residual fuel dissipation for a fuel cell stack	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)		09/726798	2000-11-30	2/23/2021	Complete - final maintenance fee paid - Expires 2/23/2021
1404.136A	Ida Tech	7122258	2006-10-17	Fuel cell air system and method	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)	Claims priority from 60/336,508	10/264539	2002-10-04	8/26/2023	Complete - final maintenance fee paid - Expires 08/26/2023
1404.140	Ida Tech	6261711	2001-07-17	Sealing system for fuel cells	Plug Power LLC (Latham, NY)	Plug Power Inc. (Latham, NY)		09/396158	1999-09-14	9/14/2019	Complete - final maintenance fee paid - Expires 9/14/2019
1404.141	Ida Tech	6274262	2001-08-14	Fuel cell bi-cooler flow plate	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)		09/382296	1999-08-24	8/24/2019	Complete - final maintenance fee paid - Expires 08/24/2019
1404.142A		7416800	2008-08-26	Method and apparatus for a combined fuel cell and hydrogen purification system		Plug Power Inc. (Latham, NY, US)	Continuation of 7,011,903	11/364419	2006-02-28	2/26/2020	Maintenance fee

HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.147		7171989	2007-02-06	Fuel dispensing system and method	Plug Power Inc. (Latham, NY, US)	Cellex Power Products, Inc. (Richmond, CA)	11/605,630 claims priority to 10/699,615	10/699615	2003-10-31	10/31/2023	Complete - final maintenance fee paid - Expires 10/31/2023
1404.147A		7412994	8/19/2008	Fuel dispensing system and method		Cellex Power Products, Inc. (Richmond, B.C., CA)	Division of 7,171,989	11/6056630	12/11/2001	2/19/2020	Maintenance fee
1404.152		6280870	2001-08-28	Combined fuel cell flow plate and gas diffusion layer	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)	PCT/US2000/21641 claims priority to 09/383,466	09/383466	1999-08-26	8/26/2019	Complete - final maintenance fee paid - Expires 8/26/2019
1404.153		6284399	2001-09-04	Fuel cell system having humidification membranes	Plug Power, LLC (Latham, NY)	Plug Power Inc. (Latham, NY)		09/397830	1999-09-17	9/17/2019	Complete - final maintenance fee paid - Expires 9/17/2019
1404.154		6299996	2001-10-09	Fuel cell system		Plug Power Inc. (Latham, NY)	PCT/US2000/22294 claims priority to 09/405,689	09/405689	1999-09-24	9/24/2019	Complete - final maintenance fee paid - Expires 9/24/2019

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HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.158		6316137	2001-11-13	Cooling a fuel cell stack	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)		09/384499	1999-08-27	8/27/2019	Complete - final maintenance fee paid - Expires 8/27/2019
1404.160		6410178	2002-06-25	Voltage monitoring system for a fuel cell stack	Plug Power, Inc. (Latham, NY)	Plug Power, Inc. (Latham, NY)		09/629548	2000-07-31	11/18/2019	Complete - final maintenance fee paid - Expires 11/18/2019
1404.161		6455181	2002-09-24	Fuel cell system with sensor	Plug Power LLC (Latham, NY)	Plug Power, Inc. (Latham, NY)		09/540673	2000-03-31	3/31/2020	Complete - final maintenance fee paid - Expires 3/31/2020
1404.162		6489052	2002-12-03	Fuel cell air purification subsystem	Plug Power, Inc. (Latham, NY)	Plug Power, Inc. (Latham, NY)		09/443229	1999-11-18	11/18/2019	Complete - final maintenance fee paid - Expires 11/18/2019
1404.164		6498462	2002-12-24	Generator control system to accommodate a decrease in a power grid voltage	Plug Power, Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)		09/777156	2001-02-05	2/28/2021	Complete - final maintenance fee paid - Expires 2/28/2021
1404.167		6541148	2003-04-01	Manifold system for a fuel cell stack	Plug Power, Inc. (Latham, NY)	Plug Power Inc. (Latham, NY, US)		09/703249	2000-10-31	2/10/2021	Complete - final maintenance fee paid - Expires 2/10/2021
1404.172		6630263	2003-10-07	Fuel cell systems and methods	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)		09/716346	2000-11-20	4/24/2021	Complete - final maintenance fee paid - Expires 4/24/2021
1404.174A		6740437	2004-05-25	Method and apparatus for controlling a combined heat and power fuel cell system	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)	Claims priority from 60/294,776; 10/714,232 claims priority to 10/158705, now abandoned	10/158705	2002-05-30	7/10/2022	Complete - final maintenance fee paid - Expires 7/10/2022
1404.175B		7223488	2007-05-29	Integrated fuel cell system		Plug Power Inc. (Latham, NY)	Divisional from 10/121,340, now 6,753,107, which claims priority to 60/287,025	10/838559	2004-05-04	5/29/2019	Maintenance fee - Due At Grace Period

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Plug Power - U.S. Patents Only

HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.175A		6753107	2004-06-22	Integrated fuel cell system	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)	Claims priority from 60/287025; 10/838,559, now 7,222,488 claims priority to 10/121340	10/121340	2002-04-12	10/21/2022	Complete - final maintenance fee paid - Expires 10/21/2022
1404.176		6756150	2004-06-29	Fuel cell having a non-electrolytic layer	Plug Power Inc. (Latham, NY)	Plug Power Inc. (Latham, NY)	10/279,632 and 10/846,973, both abandoned, claim priority to 10/118,389; PCT/US2003/10627 claims priority to 10/118,389	10/118389	2002-04-08	6/15/2022	Complete - final maintenance fee paid - Expires 6/15/2022
1404.179		6821884	2004-11-23	Method and apparatus for a combined fuel cell and hydrogen purification system	Plug Power Inc. (Latham, NY)	Plug Power, Inc. (Latham, NY)		10/247990	2002-09-20	3/8/2023	Complete - final maintenance fee paid - Expires 3/8/2023
1404.181A		6887607	2005-05-03	Fuel cell system for generating electric energy and heat	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY)	Claims priority from PCT/NL00/00365; 11/015,092 now abandoned claims priority to 09/980,106	09/980106	2000-05-26	5/26/2020	Complete - final maintenance fee paid - Expires 5/26/2020
1404.183B		7285346	2007-10-23	Method and apparatus for controlling a combined heat and power fuel cell system		Plug Power Inc. (Latham, NY, US)	Divisional from 10/158,253, now 6,939,635, which claims priority from 60/294,776	11/219898	2005-09-06	4/23/2019	Maintenance fee

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Plug Power - U.S. Patents Only

HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.183A		6939635	2005-09-06	Method and apparatus for controlling a combined heat and power fuel cell system	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)	Claims priority from 60/294,776; 11/219,904; 11,219,898 and 11/220,201 all issued claim priority to 10/158,243	10/158253	2002-05-30	12/13/2022	Complete - final maintenance fee paid - Expires 12/13/2022
1404.184A		6977119	2005-12-20	Fuel cell transient control scheme	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)	Claims priority from 60/287,044	10/121267	2002-04-12	5/26/2023	Complete - final maintenance fee paid - Expires 5/26/2023
1404.185		7090939	2006-08-15	Forming a layer on a flow plate of a fuel cell stack	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)		10/402531	2003-03-28	4/5/2024	Complete - final maintenance fee paid - Expires 04/05/2024
1404.186		7108930	2006-09-19	Fuel cells	Plug Power Inc. (Latham, NY, US)	Plug Power, Inc. (Latham, NY, US)		10/739723	2003-12-17	12/15/2024	Complete - final maintenance fee paid - Expires 12/15/2024
1404.187		7132182	2006-11-07	Method and apparatus for electrochemical compression and expansion of hydrogen in a fuel cell system	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)		10/213798	2002-08-07	11/17/2023	Complete - final maintenance fee paid - Expires 11/17/2023
1404.188		7141323	2006-11-28	Method and apparatus for electrochemical compression and expansion of hydrogen in a fuel cell system	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)		10/214019	2002-08-07	1/5/2024	Complete - final maintenance fee paid - Expires 1/5/2024
1404.189		7179554	2007-02-20	Fuel cell systems	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)		09/896268	2001-06-29	12/27/2023	Complete - final maintenance fee paid - Expires 12/27/2023

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HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.191A		7470294	2008-12-30	Fuel processor design and method of manufacture	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY)	Claims priority from 60/302,334	10/184291	2002-06-27	6/30/2020	Maintenance fee
1404.196A		7892689	2011-02-22	Pressure relief control system for a fuel cell system having a pressurized fuel flow	Plug Power Inc. (Latham, NY, US)	Plug Power Inc. (Latham, NY, US)	Claims priority from 60/806,099; 13/009,263 claims priority to 11/823,602	11/823602	2007-06-28	2/23/2022	Maintenance fee
1404.198A		6534950	2003-03-18	Hybrid power supply control system and method	Plug Power Inc. (Latham, NY)	Cellex Power Products, Inc. (Richmond, CA)	Claims priority from 60/293,733	09/957360	2001-09-20	9/20/2021	Complete - final maintenance fee paid - Expires 9/20/2021
1404.201A		7207405	2007-04-24	Hybrid power supply apparatus for battery replacement applications	Plug Power Inc. (Latham, NY)	Cellex Power Products, Inc. (Vancouver, British Columbia, CA)	Continuation of 09/785,878, abandoned; 11/649,977, now abandoned claims priority 10/684,222	10/684622	2003-10-14	4/24/2019	Maintenance fee - Due in Grace Period
1404.202		7288924	2007-10-30	Digital input current control for switch mode power supplies	Plug Power Inc. (Latham, NY)	Cellex Power Products, Inc. (Richmond, B.C., CA)		10/893075	2004-07-16	4/30/2019	Maintenance fee
1404.203		6727014	2004-04-27	Fuel cell reactant and cooling flow fields integrated into a single separator plate	Plug Power Inc. (Latham, NY)	HPower Corporation (Belleville, NJ)		09/928719	2001-08-13	9/16/2022	Complete - final maintenance fee paid - Expires 09/16/2022

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Plug Power - U.S. Patents Only

HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.204		6730424	2004-05-04	Electrochemical method to improve the performance of H2/air PEM fuel cells and direct methanol fuel cells	Plug Power Inc. (Latham, NY)	H Power Corporation (Belleville, NJ)		10/097216	2002-03-14	10/6/2022	Complete - final maintenance fee paid - Expires 10/6/2022
1404.207		7141322	2006-11-28	Alcohol fueled direct oxidation fuel cells	Plug Power Inc. (Latham, NY, US)	H Power Corporation (Belleville, NJ)		10/187082	2002-06-27	12/4/2023	Complete - final maintenance fee paid - Expires 12/4/2023
1404.208		7220693	2007-05-22	Fuel cell catalyst electrodes	Plug Power Inc. (Latham, NY, US)	H Power Corporation (Belleville, NJ)		10/187033	2002-06-27	5/22/2019	Maintenance fee - Due in Grace Period
1404.213A		7531259	5/12/2009	Fuel Cell Cooling and Water Management System	Plug Power Inc.	Not assigned		11/823553	6/28/2007	11/12/2020	Maintenance fee
1404.238D		7326480	2/5/2008	Fuel Cell Power System and Method of Controlling a Fuel Cell Power System	Emergent Power Inc. c/o Plug Power Inc.			10830929		8/5/2019	12th year maintenance fee due
1404.238A		6383556	5/7/2002	Method for Forming A Membrane Electrode Diffusion Assembly For Use In An Ion Exchange Membrane Fuel Cell	Emergent Power Inc. c/o Plug Power Inc.			09792085		5/17/2020	Complete - final maintenance fee paid - Expires 05/17/2020
1404.238B		6467334	10/22/2002	Method for Quickly Rendering a MOS Gas Sensor Operational, MOS Gas Sensor System, and Fuel Cell System	Emergent Power Inc. c/o Plug Power Inc.			09854056		5/17/2020	Complete - final maintenance fee paid - Expires 05/17/2020

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HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.238		6468682	10/22/2002	Ion Exchange Membrane Fuel Cell	Emergent Power Inc. c/o Plug Power Inc.			09577407		5/17/2020	Complete - final maintenance fee paid - Expires 05/17/2020
1404.238C		6743536	6/1/2004	Fuel Cell Power System and Method of Controlling a Fuel Cell Power System	Emergent Power Inc. c/o Plug Power Inc.			09916791		1/31/2021	Complete - final maintenance fee paid - Expires 01/31/2021
1404.240		6428918	8/6/2002	Fuel Cell Power Systems, Direct Current Voltage Converters, Fuel Cell Power Generation Methods, Power Conditioning Methods and Direct Current Power Conditioning Methods	Emergent Power Inc. c/o Plug Power Inc.			09544781	4/7/2000	4/7/2020	Complete - final maintenance fee paid - Expires 04/07/2020
1404.241		6858335	2/22/2005	Fuel Cell Power Systems and Methods of Operating Fuel Cell Power Systems	Emergent Power Inc. c/o Plug Power Inc.			09987225		2/25/2023	Complete - final maintenance fee paid - Expires 2/25/2023
1404.244		6497974	12/24/2002	Fuel Cell Power System, Method of Distributing Power, and Method of Operating a Fuel Cell Power System	Emergent Power Inc. c/o Plug Power Inc.			09864526	5/23/2001	5/23/2021	Complete - final maintenance fee paid - Expires 5/23/2021
1404.247A		7056613	6/6/2006	Fuel Cell Having Metalized Gas Diffusion Layer	Emergent Power Inc. c/o Plug Power Inc.			10431870		12/10/2022	Complete - final maintenance fee paid - Expires 12/10/2022
1404.248A		6828050	12/7/2004	Method and Apparatus for Monitoring Equivalent Series Resistance and for Shunting a Fuel Cell	Emergent Power Inc. c/o Plug Power Inc.			10269600		1/23/2022	Complete - final maintenance fee paid - Expires 1/23/2022
1404.248		6620538	9/16/2003	Method and Apparatus for Monitoring Equivalent Series Resistance and for Shunting a Fuel Cell	Emergent Power Inc. c/o Plug Power Inc.			10056543	1/23/2002	1/23/2022	Complete - final maintenance fee paid - Expires 1/23/2022

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HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.248C		6805987	10/19/2004	Method and Apparatus for Monitoring Equivalent Series Resistance and for Shunting a Fuel Cell	Emergent Power Inc. c/o Plug Power Inc.			10430928		2/1/2022	Complete - final maintenance fee paid - Expires 02/01/2022
1404.248D		6811906	11/2/2004	Method and Apparatus for Monitoring Equivalent Series Resistance and for Shunting a Fuel Cell	Emergent Power Inc. c/o Plug Power Inc.			10431069		2/1/2022	Complete - final maintenance fee paid - Expires 02/01/2022
1404.248E		6982129	1/3/2006	Method and Apparatus for Monitoring Equivalent Series Resistance and for Shunting a Fuel Cell	Emergent Power Inc. c/o Plug Power Inc.			10431158		8/19/2022	Complete - final maintenance fee paid - Expires 8/19/2022
1404.248B		7049017	5/23/2006	Method and Apparatus for Monitoring Equivalent Series Resistance and for Shunting a Fuel Cell	Emergent Power Inc. c/o Plug Power Inc.			10428455		8/23/2022	Complete - final maintenance fee paid - Expires 8/19/2022
1404.249		6745799	6/8/2004	Method for Delivering a Gas	Emergent Power Inc. c/o Plug Power Inc.			10321098		12/16/2022	Complete - final maintenance fee paid - Expires 12/16/2022
1404.250		7056608	6/6/2006	Current Collector for Use in a Fuel Cell	Emergent Power Inc. c/o Plug Power Inc.			10367985		7/4/2024	Complete - final maintenance fee paid - Expires 7/4/2024
1404.253		7833645	11/16/2010	Proton Exchange Membrane Fuel Cell and Method of Forming a Fuel Cell	Emergent Power Inc. c/o Plug Power Inc.			11284173		5/16/2022	Maintenance fee
1404.254		8026020	9/27/2011	Proton Exchange Membrane Fuel Cell Stack and Fuel Cell Stack Module	Emergent Power Inc. c/o Plug Power Inc.			11800994		3/27/2019	8th year maintenance fee due
1404.254A		8192889	6/5/2012	Proton Exchange Membrane Fuel Cell Stack and Fuel Cell Stack Module	Emergent Power Inc. c/o Plug Power Inc.			13210265		12/5/2019	8th year maintenance fee due
1404.254B		8597846	12/3/2013	Proton Exchange Membrane Fuel Cell Stack and Fuel Cell Stack Module	Emergent Power Inc. c/o Plug Power Inc.			13457358		6/3/2021	8th year maintenance fee due

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HRFM No.	Ida Tech	Patent Number	Issued Date	Title	Assignee as listed in the USPTO Assignment Branch	Assignee as listed on face of issued patent	Continuity	Application Number	Filing Date	Status - Due Dates	Status
1404.255		8003274	8/23/2011	Direct Liquid Fuel Cell	Emergent Power Inc. c/o Plug Power Inc.			11978124		8/23/2019	Maintenance fee - Due in Grace Period 12th year maintenance fee due
1404.256		7722972	5/25/2010	Apparatus and Method for Controlling a Fuel Cell Using the Rate of Voltage Recovery	Emergent Power Inc. c/o Plug Power Inc.			11207123		11/25/2021	12th year maintenance fee due
1404.257A		9012101	4/21/2015	Fuel Cell Stacks	Emergent Power Inc. c/o Plug Power Inc.			13909953		4/21/2019	Maintenance fee - Due in Grace Period
1404.279		9293778	3/22/2016	Proton exchange membrane fuel cell	Emergent Power Inc. c/o Plug Power Inc.			11/811,624	6/11/2007	9/22/2019	4th year maintenance fee due
1404.280				Fuel Cell Stack				15/388,517	12/22/2016	8/11/2019	Response to Restriction Requirement filed 3/11/2019; status check
1404.281				Fuel Cell Stack				15/388,547	12/22/2016	7/13/2019	Response to Office Action filed 2/13/2019; status check
1404.284								15/969,876	5/3/2018	11/30/2019	Status check
1404.285B				Membrane Electrode Assemblies and Associated Fuel Cells	EMERGENT POWER INC.	Rainer Patents handling prosecution		15/887,946	2/2/2018	8/5/2019	Continuation app from 14/468,228; awaiting examination
1404.285A		9,923,226	3/20/2018	Membrane Electrode Assemblies and Associated Fuel Cells	EMERGENT POWER INC.			14/468,228	8/25/2014	9/20/2021	Maintenance fee
1404.286				Hot Form Thermoplastic Sheet Into Fuel Cell Plate						4/15/2019	Proposed application; status check
1404.287A				Laminated Bipolar Plate and Gas Diffusion Layer with Integrated Channels for A Fuel Cell						3/9/2019	File perfected application
1404.288A				Corrugated Sheet with Plastic Frame For Bipolar Plate of A Fuel Cell						3/9/2019	File perfected application
1404.289				On-Stacks Shutting Of Air-Cooled Fuel Cells						4/15/2019	Proposed application; status check


PATENT

SCHEDULE 2
TO IP SECURITY AGREEMENT

REGISTERED TRADEMARKS AND APPLICATIONS





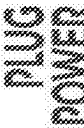
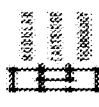


[See attached.]

Plug Power - All Active Trademarks U.S. Only

HRFM No.	Country	Class	Mark	Registration No.	Issued Date	Assignee	Application Number	Filing Date	Status - Due Dates	Status
1404.268	U.S.	9, 35, 37, 42	INFINITE DRIVE			Plug Power Inc.	86/973,773	4/13/2016	5/1/2019	Notice of Allowance issued 11/1/2016; Statement of Use or 5th
1404.282	U.S.	9	PROGEN			Plug Power Inc.	87/442,654	5/9/2017	6/12/2019	Allowed; Notice of Allowance issued 6/12/2018; Statement of Use or 2nd Ext. due
1404.283	U.S.	9	PROGEN			Plug Power Inc.	87/449,909	5/15/2017	6/12/2019	Allowed; Notice of Allowance issued 6/12/2018; Statement of Use or 2nd Ext. due
1404.215	U.S.	9	PLUG POWER	2362565	6/27/2000	Plug Power Inc.	75249656	2/28/1997	6/27/2020	Registered; Renewal due
1404.073	U.S.	9	GENDRIVE	3869852	11/2/2010	Plug Power Inc.	77965604	3/23/2010	11/2/2020	Registered; Renewal due
1404.234	U.S.	9, 35, 37, 42	GENKEY	4,839,566	10/27/2015	Plug Power Inc.	86/383,668	9/3/2014	10/27/2021	Registered; Section 8/15 Declaration due between 10/27/2020 and 10/27/2021
1404.235	U.S.	35, 37, 42	GENFUEL	4,839,555	10/27/2015	Plug Power Inc.	86/382,815	9/2/2014	10/27/2021	Registered; Section 8/15 Declaration due between 10/27/2020 and 10/27/2021
1404.236	U.S.	35, 37	GENCARE	4,839,554	10/27/2015	Plug Power Inc.	86/382,799	9/2/2014	10/27/2021	Registered; Section 8/15 Declaration due between 10/27/2020 and 10/27/2021
1404.269	U.S.	9		5,086,235	11/22/2016	Plug Power Inc.	86/973,775	4/13/2016	11/22/2022	Registered; Section 8/15 Declaration due between 11/22/2021 and 11/22/2022
1404.271	U.S.	9, 35, 37, 42		5,086,238	11/22/2016	Plug Power Inc.	86/973,790	4/13/2016	11/22/2022	Registered; Section 8/15 Declaration due between 11/22/2021 and 11/22/2022
1404.273	U.S.	35, 37, 42		5,086,239	11/22/2016	Plug Power Inc.	86/973,803	4/13/2016	11/22/2022	Registered; Section 8/15 Declaration due between 11/22/2021 and 11/22/2022

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1404.274	U.S.	35, 37		5,086,240	11/22/2016	Plug Power Inc.	86/973,809	4/13/2016	11/22/2022	Registered; Section 8/15 Declaration due between 11/22/2021 and 11/22/2022
1404.275	U.S.	35, 37, 42		5,086,241	11/22/2016	Plug Power Inc.	86/973,812	4/13/2016	11/22/2022	Registered; Section 8/15 Declaration due between 11/22/2021 and 11/22/2022
1404.276	U.S.	9		5,086,242	11/22/2016	Plug Power Inc.	86/973,817	4/13/2016	11/22/2022	Registered; Section 8/15 Declaration due between 11/22/2021 and 11/22/2022
1404.277	U.S.	9	GENSURE	5,086,243	11/22/2016	Plug Power Inc.	86/973,821	4/13/2016	11/22/2022	Registered; Section 8/15 Declaration due between 11/22/2021 and 11/22/2022
1404.270	U.S.	9, 35, 37, 42		5,094,895	12/6/2016	Plug Power Inc.	86/973,782	4/13/2016	12/6/2022	Registered; Section 8/15 Declaration due between 12/6/2021 and 12/6/2022
1404.272	U.S.	9, 35, 37, 42		5,094,896	12/6/2016	Plug Power Inc.	86/973,793	4/13/2016	12/6/2022	Registered; Section 8/15 Declaration due between 12/6/2021 and 12/6/2022
1404.264	U.S.	9		2683255	2/4/2003	Emergent Power Inc. c/o Plug Power Inc.	76387939	3/27/2002	2/4/2023	Registered; Renewal due
1404.216	U.S.	9		2729568	6/24/2003	Plug Power Inc.	75873989	12/18/1999	6/24/2023	Registered; Renewal due
1404.217	U.S.	9		2729567	6/24/2003	Plug Power Inc.	75873987	12/18/1999	6/24/2023	Registered; Renewal due
1404.068	U.S.	9	GENCORE	2783256	11/11/2003	Plug Power Inc.	78128612	5/14/2002	11/11/2023	Registered; Renewal due
1404.067	U.S.	9	GENSYS	2929578	3/1/2005	Plug Power Inc.	78128598	5/14/2002	3/1/2025	Registered; Renewal due

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SCHEDULE 3
TO IP SECURITY AGREEMENT

REGISTERED COPYRIGHTS AND APPLICATIONS

None.