

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5538066

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MARC BENEDICT C. TINIO	05/21/2019
MAIKEL MARTIN	05/22/2019
HECTOR K. LOPEZ	05/22/2019
RECEIVING PARTY DATA	
Name:	INVENTUS HOLDINGS, LLC
Street Address:	700 UNIVERSE BOULEVARD
Internal Address:	NEXTERA ENERGY, LAW/JB-PATENTS
City:	JUNO BEACH
State/Country:	FLORIDA
Postal Code:	33408
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16420739
CORRESPONDENCE DATA	
Fax Number:	(561)989-9812
<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:	561-989-9811
Email:	ptoboca@fggbb.com
Correspondent Name:	FLEIT GIBBONS GUTMAN BONGINI & BIANCO P.
Address Line 1:	4800 N. FEDERAL HIGHWAY, SUITE B306
Address Line 4:	BOCA RATON, FLORIDA 33431
ATTORNEY DOCKET NUMBER:	090709_480-P0104
NAME OF SUBMITTER:	JON GIBBONS
SIGNATURE:	/Jon Gibbons/
DATE SIGNED:	05/23/2019
Total Attachments: 6	
source=090709_480-P0104_2019-05-23_DEC_Tinio#page1.tif	
source=090709_480-P0104_2019-05-23_DEC_Tinio#page2.tif	
source=090709_480-P0104_2019-05-23_DEC_Martin#page1.tif	

source=090709_480-P0104_2019-05-23_DEC_Martin#page2.tif

source=090709_480-P0104_2019-05-23_DEC_Lopez#page1.tif

source=090709_480-P0104_2019-05-23_DEC_Lopez#page2.tif

PATENT

REEL: 049269 FRAME: 0415

DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

As a below named inventor, I hereby declare that this Declaration is directed to:

- ☒ the attached application, or
☐ United States application or PCT international application number
- filed on -

The application entitled **REGULATING CHARGING AND DISCHARGING OF AN ENERGY STORAGE DEVICE AS PART OF AN ELECTRICAL POWER DISTRIBUTION NETWORK** (herein referred to as "Patent Application") was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the Patent Application. I hereby state that I have reviewed and understand the contents of the Patent Application, including the claims, and by any amendment to the Patent Application including amendments to the claims. I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56, including for continuation-in-part and applications claiming priority to provisional applications, material information that may become available after the filing date of the prior application.

I believe that any and all original joint inventors of the claimed invention in the Patent Application have been disclosed to the Assignee.

ASSIGNMENT OF INVENTION(S)

Whereas, ☐ NextEra Energy, Inc., a Florida corporation,
(Select one) ☐ Florida Power & Light Company, a Florida corporation,
☒ Inventus Holdings, LLC, a Delaware limited liability company, or
☐ FPL Smart Services, LLC, a Florida limited liability company,

having a place of business at 700 Universe Boulevard, Juno Beach, FL 33408 (herein referred to as "Assignee."), and its affiliated entities including those listed above, desire to acquire the entire worldwide right, title, and interest in and to inventions including any and all patent applications and patents directed thereto, arising from, and within the scope of its relationship with the undersigned inventor, and including but not limited to, its employees, contractors, consultants, interns, contributors, and otherwise.

Whereas, the undersigned inventor (herein referred to as the "Assignor") has created and/or will create certain inventions, improvements, and discoveries (herein referred to as the "Invention(s)") arising from and within the scope of Assignor's relationship with Assignee and/or any of its affiliated entities including, but not limited to, the invention disclosed in the above-identified Patent Application, and desires to grant to Assignee the entire worldwide right, title, and interest in and to the Invention(s) and in and to any and all patent applications and patents directed thereto.

By virtue of my employment, appointment, or affiliation with the Assignee and pursuant to the Assignee's employment agreement, contract, or other agreement with the Assignee, I have, hereby, and will assign all my rights in the Invention(s) and the Patent Application to the Assignee or its assignee or designee. Therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, the Assignor hereby agrees to sell, sells, and/or has sold, agrees to assign, assigns, and/or has assigned, and otherwise agrees to transfer, transfers, and/or has transferred to Assignee, its successors, and assigns, the entire worldwide right, title, and interest in and to the Invention(s), including but not limited to the above-identified Patent Application, and any and all other provisional patent applications, nonprovisional patent applications, and patents for the Invention(s) which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications on Invention(s) and granting of such patents, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention.

The Assignor requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention(s), to Assignee its successors, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by Assignee its successors, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the Assignor had this Assignment of Invention(s) not been made.

The Assignor agrees, at the expense of the Assignee and without additional compensation to the Assignor, to: execute any and all documents, oaths, and instruments and perform all lawful acts reasonably related to recording assignments or perfecting title to the Invention(s) and all related patents and applications, in Assignee, its successors, and assigns, whenever requested by Assignee, its successors, or assign; to testify in any legal proceeding relating to the Invention(s) and communicate to the Assignee all facts known to the Assignor relating to the Invention(s) and history thereof; and to perform all other lawful acts deemed necessary or desirable by the Assignee, its successors, or assigns, to secure, maintain, and enforce patent protection for the Invention(s).


The Assignor acknowledges the prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment of Invention(s) to Assignee and is unaware of any reason why Assignor may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith.

The Assignor assigns to Assignee, its successors, and assigns, all of my rights to sue for and recover damages and profits with respect to past infringements or unauthorized uses of any patent that issues on the Patent Application or unpaid royalties with respect to use of any rights in the Patent Application that occurred before the execution of this Assignment.

The Assignor grants to Assignee, its successors, and assigns, the right and authority to insert herein or append hereto any further identification of Invention(s) (including various application / patent / docket numbers) necessary or desirable for recordation of this Assignment of Invention(s), to amend the selection of the Assignee, and to correct any errors and/or incompleteness in the Assignor related information below. This Assignment is governed by the substantive laws of the State of Florida, and any disputes will be resolved in a Florida state court or federal court sited in Florida.

I grant to Assignee the power to appoint attorneys of its choosing with full power to prosecute the Invention(s), including this Patent Application, to transact all business in the United States Patent and Trademark Office and all foreign patent authorities connected therewith, and to appoint and revoke associate and substitute associate attorneys. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal Name of Assignor / Inventor MARC BENEDICT C. TINIO
 PRINTED FIRST MIDDLE INITIAL LAST

Signature:  Date: 05/21/2019
 MM/DD/YYYY

City of Residence Palm Beach Gardens State of Residence FL

Country of Residence USA Country of Citizenship USA

FOR PATENT OFFICE PURPOSES, INVENTOR MAILING ADDRESS IS:
 NextEra Energy LAW/JB – Patents, 700 Universe Blvd., Juno Beach, FL 33408

DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

As a below named inventor, I hereby declare that this Declaration is directed to:

- ☒ the attached application, or
☐ United States application or PCT international application number
 - filed on -

The application entitled **REGULATING CHARGING AND DISCHARGING OF AN ENERGY STORAGE DEVICE AS PART OF AN ELECTRICAL POWER DISTRIBUTION NETWORK** (herein referred to as "Patent Application") was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the Patent Application. I hereby state that I have reviewed and understand the contents of the Patent Application, including the claims, and by any amendment to the Patent Application including amendments to the claims. I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56, including for continuation-in-part and applications claiming priority to provisional applications, material information that may become available after the filing date of the prior application.

I believe that any and all original joint inventors of the claimed invention in the Patent Application have been disclosed to the Assignee.

ASSIGNMENT OF INVENTION(S)

Whereas, ☐ **NextEra Energy, Inc.**, a Florida corporation,
 (Select one) ☐ **Florida Power & Light Company**, a Florida corporation,
☒ **Inventus Holdings, LLC**, a Delaware limited liability company, or
☐ **FPL Smart Services, LLC**, a Florida limited liability company,

having a place of business at 700 Universe Boulevard, Juno Beach, FL 33408 (herein referred to as "Assignee."), and its affiliated entities including those listed above, desire to acquire the entire worldwide right, title, and interest in and to inventions including any and all patent applications and patents directed thereto, arising from, and within the scope of its relationship with the undersigned inventor, and including but not limited to, its employees, contractors, consultants, interns, contributors, and otherwise.

Whereas, the undersigned inventor (herein referred to as the "Assignor") has created and/or will create certain inventions, improvements, and discoveries (herein referred to as the "Invention(s)") arising from and within the scope of Assignor's relationship with Assignee and/or any of its affiliated entities including, but not limited to, the invention disclosed in the above-identified Patent Application, and desires to grant to Assignee the entire worldwide right, title, and interest in and to the Invention(s) and in and to any and all patent applications and patents directed thereto.

By virtue of my employment, appointment, or affiliation with the Assignee and pursuant to the Assignee's employment agreement, contract, or other agreement with the Assignee, I have, hereby, and will assign all my rights in the Invention(s) and the Patent Application to the Assignee or its assignee or designee. Therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, the Assignor hereby agrees to sell, sells, and/or has sold, agrees to assign, assigns, and/or has assigned, and otherwise agrees to transfer, transfers, and/or has transferred to Assignee, its successors, and assigns, the entire worldwide right, title, and interest in and to the Invention(s), including but not limited to the above-identified Patent Application, and any and all other provisional patent applications, nonprovisional patent applications, and patents for the Invention(s) which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications on Invention(s) and granting of such patents, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention.

The Assignor requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention(s), to Assignee its successors, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by Assignee its successors, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the Assignor had this Assignment of Invention(s) not been made.

The Assignor agrees, at the expense of the Assignee and without additional compensation to the Assignor, to: execute any and all documents, oaths, and instruments and perform all lawful acts reasonably related to recording assignments or perfecting title to the Invention(s) and all related patents and applications, in Assignee, its successors, and assigns, whenever requested by Assignee, its successors, or assign; to testify in any legal proceeding relating to the Invention(s) and communicate to the Assignee all facts known to the Assignor relating to the Invention(s) and history thereof; and to perform all other lawful acts deemed necessary or desirable by the Assignee, its successors, or assigns, to secure, maintain, and enforce patent protection for the Invention(s).

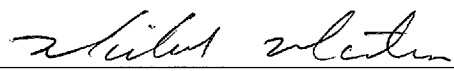
The Assignor acknowledges the prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment of Invention(s) to Assignee and is unaware of any reason why Assignor may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith.

The Assignor assigns to Assignee, its successors, and assigns, all of my rights to sue for and recover damages and profits with respect to past infringements or unauthorized uses of any patent that issues on the Patent Application or unpaid royalties with respect to use of any rights in the Patent Application that occurred before the execution of this Assignment.

The Assignor grants to Assignee, its successors, and assigns, the right and authority to insert herein or append hereto any further identification of Invention(s) (including various application / patent / docket numbers) necessary or desirable for recordation of this Assignment of Invention(s), to amend the selection of the Assignee, and to correct any errors and/or incompleteness in the Assignor related information below. This Assignment is governed by the substantive laws of the State of Florida, and any disputes will be resolved in a Florida state court or federal court sited in Florida.

I grant to Assignee the power to appoint attorneys of its choosing with full power to prosecute the Invention(s), including this Patent Application, to transact all business in the United States Patent and Trademark Office and all foreign patent authorities connected therewith, and to appoint and revoke associate and substitute associate attorneys. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal Name of Assignor / Inventor MAIKEL MARTIN
PRINTED FIRST MIDDLE INITIAL LAST

Signature:  Date: 05/22/2019
MM/DD/YYYY

City of Residence Lake Worth State of Residence Florida

Country of Residence USA Country of Citizenship USA

FOR PATENT OFFICE PURPOSES, INVENTOR MAILING ADDRESS IS:

NextEra Energy LAW/JB – Patents, 700 Universe Blvd., Juno Beach, FL 33408

DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

As a below named inventor, I hereby declare that this Declaration is directed to:

☒ the attached application, or
☐ United States application or PCT international application number
 - filed on -

The application entitled **REGULATING CHARGING AND DISCHARGING OF AN ENERGY STORAGE DEVICE AS PART OF AN ELECTRICAL POWER DISTRIBUTION NETWORK** (herein referred to as "Patent Application") was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the Patent Application. I hereby state that I have reviewed and understand the contents of the Patent Application, including the claims, and by any amendment to the Patent Application including amendments to the claims. I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56, including for continuation-in-part and applications claiming priority to provisional applications, material information that may become available after the filing date of the prior application.

I believe that any and all original joint inventors of the claimed invention in the Patent Application have been disclosed to the Assignee.

ASSIGNMENT OF INVENTION(S)

Whereas, ☐ NextEra Energy, Inc., a Florida corporation,
 (Select one) ☐ Florida Power & Light Company, a Florida corporation,
☒ Inventus Holdings, LLC, a Delaware limited liability company, or
☐ FPL Smart Services, LLC, a Florida limited liability company,

having a place of business at 700 Universe Boulevard, Juno Beach, FL 33408 (herein referred to as "Assignee."), and its affiliated entities including those listed above, desire to acquire the entire worldwide right, title, and interest in and to inventions including any and all patent applications and patents directed thereto, arising from, and within the scope of its relationship with the undersigned inventor, and including but not limited to, its employees, contractors, consultants, interns, contributors, and otherwise.

Whereas, the undersigned inventor (herein referred to as the "Assignor") has created and/or will create certain inventions, improvements, and discoveries (herein referred to as the "Invention(s)") arising from and within the scope of Assignor's relationship with Assignee and/or any of its affiliated entities including, but not limited to, the invention disclosed in the above-identified Patent Application, and desires to grant to Assignee the entire worldwide right, title, and interest in and to the Invention(s) and in and to any and all patent applications and patents directed thereto.

By virtue of my employment, appointment, or affiliation with the Assignee and pursuant to the Assignee's employment agreement, contract, or other agreement with the Assignee, I have, hereby, and will assign all my rights in the Invention(s) and the Patent Application to the Assignee or its assignee or designee. Therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, the Assignor hereby agrees to sell, sells, and/or has sold, agrees to assign, assigns, and/or has assigned, and otherwise agrees to transfer, transfers, and/or has transferred to Assignee, its successors, and assigns, the entire worldwide right, title, and interest in and to the Invention(s), including but not limited to the above-identified Patent Application, and any and all other provisional patent applications, nonprovisional patent applications, and patents for the Invention(s) which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications on Invention(s) and granting of such patents, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention.

The Assignor requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention(s), to Assignee its successors, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by Assignee its successors, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the Assignor had this Assignment of Invention(s) not been made.

The Assignor agrees, at the expense of the Assignee and without additional compensation to the Assignor, to: execute any and all documents, oaths, and instruments and perform all lawful acts reasonably related to recording assignments or perfecting title to the Invention(s) and all related patents and applications, in Assignee, its successors, and assigns, whenever requested by Assignee, its successors, or assign; to testify in any legal proceeding relating to the Invention(s) and communicate to the Assignee all facts known to the Assignor relating to the Invention(s) and history thereof; and to perform all other lawful acts deemed necessary or desirable by the Assignee, its successors, or assigns, to secure, maintain, and enforce patent protection for the Invention(s).

The Assignor acknowledges the prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment of Invention(s) to Assignee and is unaware of any reason why Assignor may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith.

The Assignor assigns to Assignee, its successors, and assigns, all of my rights to sue for and recover damages and profits with respect to past infringements or unauthorized uses of any patent that issues on the Patent Application or unpaid royalties with respect to use of any rights in the Patent Application that occurred before the execution of this Assignment.

The Assignor grants to Assignee, its successors, and assigns, the right and authority to insert herein or append hereto any further identification of Invention(s) (including various application / patent / docket numbers) necessary or desirable for recordation of this Assignment of Invention(s), to amend the selection of the Assignee, and to correct any errors and/or incompleteness in the Assignor related information below. This Assignment is governed by the substantive laws of the State of Florida, and any disputes will be resolved in a Florida state court or federal court sited in Florida.

I grant to Assignee the power to appoint attorneys of its choosing with full power to prosecute the Invention(s), including this Patent Application, to transact all business in the United States Patent and Trademark Office and all foreign patent authorities connected therewith, and to appoint and revoke associate and substitute associate attorneys. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal Name of Assignor / Inventor Hector K Lopez
 PRINTED FIRST MIDDLE INITIAL LAST

Signature:  Date: 05/22/2019
 MM/DD/YYYY

City of Residence Jupiter State of Residence FL

Country of Residence U.S.A. Country of Citizenship U.S.A.

FOR PATENT OFFICE PURPOSES, INVENTOR MAILING ADDRESS IS:
 NextEra Energy LAW/JB -- Patents, 700 Universe Blvd., Juno Beach, FL 33408