PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHNSON CONTROLS, INC.	09/30/2018

RECEIVING PARTY DATA

Name:	TAURUS DES, LLC
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State/Country:	NEW YORK
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16372986

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NAME OF SUBMITTER:	MOLLY S. LAWSON
SIGNATURE:	/molly s. lawson/
DATE SIGNED:	08/07/2019

Total Attachments: 9
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PATENT ASSIGNMENT

This Patent Assignment (this "Assignment") is entered into as of 11:58 p.m. (Central Time) on September 30, 2018 (the "Transfer Time"), by and between Johnson Controls, Inc., a Wisconsin corporation ("Assignor"), and Taurus DES, LLC, a Delaware limited liability company ("Assignee").

RECITALS

WHEREAS, Assignee has acquired certain of the assets of Assignor, including the patents and applications set forth in **Exhibit A** attached hereto, together with all reissues, divisionals, provisionals, continuations and continuations-in-part, re-examinations, renewals, substitutions and extensions thereof (collectively referred to as the "Assigned Patents"), pursuant to that certain Bill of Sale made and entered into as of the Transfer Time, by and between Assignor and Assignee (the "Bill of Sale"), which was made pursuant to and in accordance with that certain Membership Interest Purchase Agreement, dated as of September 24 2018, by and between Assignor and Consolidated Edison Solutions, Inc., a New York corporation (the "Purchase Agreement"); and

WHEREAS, in connection with the Bill of Sale and the Purchase Agreement, Assignee acquired rights in and to the Assigned Patents, along with the right to recover for damages and profits for past and future infringements thereof.

NOW, THEREFORE, for the good and valuable consideration set forth in the Bill of Sale and the Purchase Agreement, the sufficiency of which is hereby acknowledged, effective as of Transfer Time, Assignor does hereby sell, assign, and transfer unto Assignee all its right, title, and interest in and to the Assigned Patents, all proceeds therefrom together with any and all claims or causes of infringement thereof that may have accrued prior to and/or after the Transfer Time of this Assignment, together with the right to bring suit for and/or initiate any proceeding to collect any and all damages arising from said claims or causes of action, to be held and enjoyed by the Assignee for its own use and benefit and for its successors and assigns as the same would have been held by Assignor had the assignment contemplated hereby not been made.

Assignee and Assignor hereby further undertake that they will execute such additional documents and take such further actions as may be reasonably required in order to confirm and further effectuate the sale and assignment of the Assigned Patents by Assignor to Assignee.

This Assignment (i) may be executed in one or more counterparts and delivered by facsimile, portable document format or other electronic means, each of which when so executed and delivered shall be deemed to be an original and all of which together shall be deemed to be one and the same agreement; (ii) shall be binding upon and inure to the benefit of the parties hereto, and each of their successors and assigns; (iii) shall be governed in all respects by the internal laws of the State of Delaware, without regard to its conflicts of law principles which would require application of the laws of another jurisdiction; and (iv) may not be amended or modified unless in writing and signed by Assignee and Assignor.

IN WITNESS WHEREOF, this Assignment is duly executed by the undersigned as of the Transfer Time.

JOHNSON CONTROLS, INC.

By: _____
Name: Michael R. Peterson
Title: President and Secretary

TAURUS DES, LLC

By: _____
Name: Michael R. Peterson
Title: Manager

[Signature Page to Patent Assignment]

Exhibit A – Assigned Patents

Country	Title	Status	Application Number	Application Date	Publication No.	Publication Date
United States of America	SYSTEMS AND METHODS FOR CONTROLLING RAMP RATE IN A PHOTOVOLTAIC ENERGY SYSTEM	Inactive	62/239131	10/8/2015		
United States of America	PHOTOVOLTAIC ENERGY SYSTEM WITH SOLAR INTENSITY PREDICTION	Pending	15/247869	8/25/2016	2017-0104449	4/13/2017
P.C.T.	PHOTOVOLTAIC ENERGY SYSTEM WITH SOLAR INTENSITY PREDICTION	Pending	PCT/US2016/056181	10/7/2016	WO/2017/062908	4/13/2017
Australia	PHOTOVOLTAIC ENERGY SYSTEM WITH SOLAR INTENSITY PREDICTION	Pending	2016334369	10/7/2016		
European Patent Office	PHOTOVOLTAIC ENERGY SYSTEM WITH SOLAR INTENSITY PREDICTION	Pending	16787646.5	10/7/2016	3248267	11/29/2017
United States of America	PHOTOVOLTAIC ENERGY SYSTEM WITH PREEMPTIVE RAMP RATE CONTROL	Pending	15/247788	8/25/2016	2017-0102675	4/13/2017
P.C.T.	PHOTOVOLTAIC ENERGY SYSTEM WITH PREEMPTIVE RAMP RATE CONTROL	Pending	PCT/US2016/056186	10/7/2016	WO 2017/062913	4/13/2017
Australia	PHOTOVOLTAIC ENERGY SYSTEM WITH PREEMPTIVE RAMP RATE CONTROL	Pending	2016335871	10/7/2016		
European Patent Office	PHOTOVOLTAIC ENERGY SYSTEM WITH PREEMPTIVE RAMP RATE CONTROL	Pending	16785066.8	10/7/2016	3248264	11/29/2017
United States of America	PHOTOVOLTAIC ENERGY SYSTEM WITH VALUE FUNCTION OPTIMIZATION	Pending	15/247844	8/25/2016	2017-0104337	4/13/2017

Country	Title	Status	Application Number	Application Date	Publication No.	Publication Date
P.C.T.	PHOTOVOLTAIC ENERGY SYSTEM WITH VALUE FUNCTION OPTIMIZATION	Pending	PCT/US2016/056187	10/7/2016	WO2017/062914	4/13/2017
Australia	PHOTOVOLTAIC ENERGY SYSTEM WITH VALUE FUNCTION OPTIMIZATION	Pending	2016335872	10/7/2016		
European Patent Office	PHOTOVOLTAIC ENERGY SYSTEM WITH VALUE FUNCTION OPTIMIZATION	Pending	16785067.6	10/7/2016	3248265	11/29/2017
United States of America	LOW LEVEL FREQUENCY RESPONSE OPTIMIZATION CONTROLLER	Inactive	62/239249	10/8/2015		
United States of America	ELECTRICAL ENERGY STORAGE SYSTEM WITH BATTERY POWER SETPOINT OPTIMIZATION USING PREDICTED VALUES OF A FREQUENCY REGULATION SIGNAL	Pending	15/247777	8/25/2016	2017-0102433	4/13/2017
P.C.T.	ELECTRICAL ENERGY STORAGE SYSTEM WITH BATTERY POWER SETPOINT OPTIMIZATION USING PREDICTED VALUES OF A FREQUENCY REGULATION SIGNAL	Pending	PCT/US2016/056189	10/7/2016	WO2017/062916	4/13/2017
Australia	ELECTRICAL ENERGY STORAGE SYSTEM WITH BATTERY POWER SETPOINT OPTIMIZATION USING PREDICTED VALUES OF A FREQUENCY REGULATION SIGNAL	Pending	2016334373	10/7/2016		
European Patent Office	ELECTRICAL ENERGY STORAGE SYSTEM WITH BATTERY POWER SETPOINT OPTIMIZATION USING PREDICTED VALUES OF A FREQUENCY REGULATION SIGNAL	Pending	16787649.9	10/7/2016		
United States of America	ENERGY STORAGE CONTROLLER WITH BATTERY LIFE MODEL	Inactive	62/239246	10/8/2015		

Country	Title	Status	Application Number	Application Date	Publication No.	Publication Date
United States of America	ENERGY STORAGE CONTROLLER WITH BATTERY LIFE MODEL	Pending	15/247793	8/25/2016	2017-0104332	4/13/2017
P.C.T.	ENERGY STORAGE CONTROLLER WITH BATTERY LIFE MODEL	Pending	PCT/US2016/056192	10/7/2016	WO2017/062919	4/13/2017
Australia	ENERGY STORAGE CONTROLLER WITH BATTERY LIFE MODEL	Pending	2016334375	10/7/2016		
European Patent Office	ENERGY STORAGE CONTROLLER WITH BATTERY LIFE MODEL	Pending	16785069.2	10/7/2016	3245704	11/22/2017
United States of America	ELECTRICAL ENERGY STORAGE SYSTEM WITH BATTERY POWER SETPOINT OPTIMIZATION BASED ON BATTERY DEGRADATION COSTS AND EXPECTED FREQUENCY RESPONSE REVENUE	Pending	15/247784	8/25/2016	2017-0102434	4/13/2017
P.C.T.	ELECTRICAL ENERGY STORAGE SYSTEM WITH BATTERY POWER SETPOINT OPTIMIZATION BASED ON BATTERY DEGRADATION COSTS AND EXPECTED FREQUENCY RESPONSE REVENUE	Pending	PCT/US2016/056190	10/7/2016	WO 2017/062917	4/13/2017
Australia	ELECTRICAL ENERGY STORAGE SYSTEM WITH BATTERY POWER SETPOINT OPTIMIZATION BASED ON BATTERY DEGRADATION COSTS AND EXPECTED FREQUENCY RESPONSE REVENUE	Pending	2016335874	10/7/2016		
European Patent Office	ELECTRICAL ENERGY STORAGE SYSTEM WITH BATTERY POWER SETPOINT OPTIMIZATION BASED ON BATTERY DEGRADATION COSTS AND EXPECTED FREQUENCY RESPONSE REVENUE	Pending	16785068.4	10/7/2016	3248261	11/29/2017
United States of America	ELECTRICAL ENERGY STORAGE SYSTEM WITH BATTERY RESISTANCE ESTIMATION	Inactive	62/368888	7/29/2016		

Country	Title	Status	Application Number	Application Date	Publication No.	Publication Date
United States of America	ELECTRICAL ENERGY STORAGE SYSTEM WITH BATTERY RESISTANCE ESTIMATION	Pending	15/406596	1/13/2017	2018-0031641	2/1/2018
P.C.T.	ELECTRICAL ENERGY STORAGE SYSTEM WITH BATTERY RESISTANCE ESTIMATION	Pending	PCT/US2017/014191	1/19/2017	WO2018/022134	2/1/2018
United States of America	ELECTRICAL ENERGY STORAGE SYSTEM WITH BATTERY STATE-OF-CHARGE ESTIMATION	Inactive	62/368869	7/29/2016		
United States of America	ELECTRICAL ENERGY STORAGE SYSTEM WITH BATTERY STATE-OF-CHARGE ESTIMATION	Pending	15/406593	1/13/2017	2018-0034285	2/1/2018
P.C.T.	ELECTRICAL ENERGY STORAGE SYSTEM WITH BATTERY STATE-OF-CHARGE ESTIMATION	Pending	PCT/US2017/014193	1/19/2017	WO2018/022135	2/1/2018
United States of America	FREQUENCY RESPONSE OPTIMIZATION CONTROLLER	Inactive	62/239233	10/8/2015		
United States of America	ELECTRICAL ENERGY STORAGE SYSTEM WITH CASCADED FREQUENCY RESPONSE OPTIMIZATION	Pending	15/247885	8/25/2016	2017-0104345	4/13/2017
P.C.T.	ELECTRICAL ENERGY STORAGE SYSTEM WITH CASCADED FREQUENCY RESPONSE OPTIMIZATION	Pending	PCT/US2016/056183	10/7/2016	WO 2017/062910	4/13/2017
Australia	ELECTRICAL ENERGY STORAGE SYSTEM WITH CASCADED FREQUENCY RESPONSE OPTIMIZATION	Pending	2016334371	10/7/2016		
European Patent Office	ELECTRICAL ENERGY STORAGE SYSTEM WITH CASCADED FREQUENCY RESPONSE OPTIMIZATION	Pending	16787648.1	10/7/2016		
United States of America	ELECTRICAL ENERGY STORAGE SYSTEM WITH VARIABLE STATE-OF-CHARGE FREQUENCY RESPONSE OPTIMIZATION	Pending	15/247886	8/25/2016	2017-0104346	4/13/2017

Country	Title	Status	Application Number	Application Date	Publication No.	Publication Date
P.C.T.	ELECTRICAL ENERGY STORAGE SYSTEM WITH VARIABLE STATE-OF-CHARGE FREQUENCY RESPONSE OPTIMIZATION	Pending	PCT/US2016/056184	10/7/2016	WO 2017/062911	4/13/2017
Australia	ELECTRICAL ENERGY STORAGE SYSTEM WITH VARIABLE STATE-OF-CHARGE FREQUENCY RESPONSE OPTIMIZATION	Pending	2016334372	10/7/2016		
European Patent Office	ELECTRICAL ENERGY STORAGE SYSTEM WITH VARIABLE STATE-OF-CHARGE FREQUENCY RESPONSE OPTIMIZATION	Pending	16785065.0	10/7/2016		
United States of America	ELECTRICAL ENERGY STORAGE SYSTEM WITH CONSTANT STATE-OF-CHARGE FREQUENCY RESPONSE OPTIMIZATION	Pending	15/247883	8/25/2016	2017-0104344	4/13/2017
P.C.T.	ELECTRICAL ENERGY STORAGE SYSTEM WITH CONSTANT STATE-OF-CHARGE FREQUENCY RESPONSE OPTIMIZATION	Pending	PCT/US2016/056182	10/7/2016	WO 2017/062909	4/13/2017
Australia	ELECTRICAL ENERGY STORAGE SYSTEM WITH CONSTANT STATE-OF-CHARGE FREQUENCY RESPONSE OPTIMIZATION	Pending	2016334370	10/7/2016		
European Patent Office	ELECTRICAL ENERGY STORAGE SYSTEM WITH CONSTANT STATE-OF-CHARGE FREQUENCY RESPONSE OPTIMIZATION	Pending	16787647.3	10/7/2016		
United States of America	FREQUENCY RESPONSE OPTIMIZATION CONTROL SYSTEM	Inactive	62/368878	7/29/2016		
United States of America	FREQUENCY RESPONSE OPTIMIZATION CONTROL SYSTEM	Pending	15/663384	7/28/2017	2018-0034286	2/1/2018
United States of America	DATA FUSION SYSTEMS AND METHODS FOR A BATTERY SYSTEM OPTIMIZATION CONTROL SYSTEM	Inactive	62/368866	7/29/2016		

Country	Title	Status	Application Number	Application Date	Publication No.	Publication Date
United States of America	BATTERY OPTIMIZATION CONTROL SYSTEM WITH DATA FUSION SYSTEMS AND METHODS	Pending	15/663496	7/28/2017	2018-0054061	2/22/2018
United States of America	BATTERY SYSTEM OPTIMIZATION CONTROL SYSTEM DATA STORAGE AND MANAGEMENT SYSTEMS AND METHODS	Inactive	62/368882	7/29/2016		
United States of America	ENERGY STORAGE SYSTEM PLANNING TOOL	Inactive	62/467426	3/6/2017		
United States of America	BUILDING ENERGY STORAGE SYSTEM WITH PLANNING TOOL	Pending	15/474511	3/30/2017		
United States of America	FREQUENCY REGULATION AND RAMP RATE CONTROLLER	Inactive	62/239245	10/8/2015		
United States of America	RENEWABLE ENERGY SYSTEM WITH SIMULTANEOUS RAMP RATE CONTROL AND FREQUENCY REGULATION	Pending	15/247872	8/25/2016	2017-0104342	4/13/2017
P.C.T.	RENEWABLE ENERGY SYSTEM WITH SIMULTANEOUS RAMP RATE CONTROL AND FREQUENCY REGULATION	Pending	PCT/US2016/056179	10/7/2016	WO2017/062906	4/13/2017
Australia	RENEWABLE ENERGY SYSTEM WITH SIMULTANEOUS RAMP RATE CONTROL AND FREQUENCY REGULATION	Pending	2016334367	10/7/2016		
European Patent Office	RENEWABLE ENERGY SYSTEM WITH SIMULTANEOUS RAMP RATE CONTROL AND FREQUENCY REGULATION	Pending	16787645.7	10/7/2016	3245706	11/22/2017
United States of America	POWER CONTROL SYSTEM WITH BATTERY POWER SETPOINT OPTIMIZATION USING ONE-STEP AHEAD PREDICTION	Pending	15/247873	8/25/2016	2017-0104343	4/13/2017

Country	Title	Status	Application Number	Application Date	Publication No.	Publication Date
P.C.T.	POWER CONTROL SYSTEM WITH BATTERY POWER SETPOINT OPTIMIZATION USING ONE-STEP AHEAD PREDICTION	Pending	PCT/US2016/056170	10/7/2016	WO2017/062899	4/13/2017
Australia	POWER CONTROL SYSTEM WITH BATTERY POWER SETPOINT OPTIMIZATION USING ONE-STEP AHEAD PREDICTION	Pending	2016334360	10/7/2016		
European Patent Office	POWER CONTROL SYSTEM WITH BATTERY POWER SETPOINT OPTIMIZATION USING ONE-STEP AHEAD PREDICTION	Pending	16787643.2	10/7/2016	3248262	11/29/2017
Canada	POWER CONTROL SYSTEM WITH BATTERY POWER SETPOINT OPTIMIZATION USING ONE-STEP AHEAD PREDICTION	Pending	2976693	10/7/2016		
United States of America	POWER CONTROL SYSTEM WITH POWER SETPOINT ADJUSTMENT BASED ON POI POWER LIMITS	Pending	15/247880	8/25/2016	2017-0104336	4/13/2017
P.C.T.	POWER CONTROL SYSTEM WITH POWER SETPOINT ADJUSTMENT BASED ON POI POWER LIMITS	Pending	PCT/US2016/056178	10/7/2016	WO 2017/062905	4/13/2017
Australia	POWER CONTROL SYSTEM WITH POWER SETPOINT ADJUSTMENT BASED ON POI POWER LIMITS	Pending	2016334366	10/7/2016		
European Patent Office	POWER CONTROL SYSTEM WITH POWER SETPOINT ADJUSTMENT BASED ON POI POWER LIMITS	Pending	16787644.0	10/7/2016		

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