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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5583546

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------------------|----------------|
| JOHNSON CONTROLS TECHNOLOGY COMPANY | 04/30/2019 |

RECEIVING PARTY DATA

| | |
|--------------------------|-----------------------------|
| Name: | CPS TECHNOLOGY HOLDINGS LLC |
| Street Address: | 250 VESEY STREET |
| Internal Address: | 15TH FLOOR |
| City: | NEW YORK |
| State/Country: | NEW YORK |
| Postal Code: | 10281 |

PROPERTY NUMBERS Total: 74

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13954919 |
| Application Number: | 13954798 |
| Application Number: | 13954932 |
| Application Number: | 14802846 |
| Application Number: | 61923114 |
| Application Number: | 14584798 |
| Application Number: | 61866786 |
| Application Number: | 14106663 |
| Application Number: | 14161889 |
| Application Number: | 14161858 |
| Application Number: | 15389772 |
| Application Number: | 15839610 |
| Application Number: | 16113623 |
| Application Number: | 14161834 |
| Application Number: | 29466355 |
| Application Number: | 14230475 |
| Application Number: | 14230915 |
| Application Number: | 15658239 |
| Application Number: | 14230737 |

PATENT

| Property Type | Number |
|----------------------|---------------|
| Application Number: | 14231105 |
| Application Number: | 14231092 |
| Application Number: | 15814136 |
| Application Number: | 14230603 |
| Application Number: | 14230678 |
| Application Number: | 14230749 |
| Application Number: | 14230827 |
| Application Number: | 14231246 |
| Application Number: | 14231239 |
| Application Number: | 14230925 |
| Application Number: | 14230387 |
| Application Number: | 15650680 |
| Application Number: | 14231013 |
| Application Number: | 15276470 |
| Application Number: | 61923118 |
| Application Number: | 14578002 |
| Application Number: | 62079848 |
| Application Number: | 14938664 |
| Application Number: | 15978969 |
| Application Number: | 62033001 |
| Application Number: | 14794530 |
| Application Number: | 16017384 |
| Application Number: | 14503101 |
| Application Number: | 62015045 |
| Application Number: | 14498748 |
| Application Number: | 15671857 |
| Application Number: | 62015042 |
| Application Number: | 14498771 |
| Application Number: | 15674028 |
| Application Number: | 14266604 |
| Application Number: | 14266620 |
| Application Number: | 14266631 |
| Application Number: | 15413937 |
| Application Number: | 14266587 |
| Application Number: | 62038664 |
| Application Number: | 14805404 |
| Application Number: | 14501095 |
| Application Number: | 14502723 |

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14502803 |
| Application Number: | 14501777 |
| Application Number: | 14501906 |
| Application Number: | 14501871 |
| Application Number: | 14502485 |
| Application Number: | 14502158 |
| Application Number: | 14502321 |
| Application Number: | 16041508 |
| Application Number: | 14502732 |
| Application Number: | 15913436 |
| Application Number: | 62075154 |
| Application Number: | 15524190 |
| Application Number: | 14502876 |
| Application Number: | 14501241 |
| Application Number: | 15874661 |
| Application Number: | 62049919 |
| Application Number: | 14586111 |

CORRESPONDENCE DATA

Fax Number: (214)978-3099

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: 2149657053

Email: docket@bakermckenzie.com

Correspondent Name: BAKER & MCKENZIE LLP

Address Line 1: 1900 N. PEARL STREET

Address Line 2: SUITE 1500

Address Line 4: DALLAS, TEXAS 75201

ATTORNEY DOCKET NUMBER: 50606612-JCTC-BATCH2

NAME OF SUBMITTER: LINDSEY R. CALDWELL

SIGNATURE: /Lindsey R. Caldwell/

DATE SIGNED: 06/20/2019

Total Attachments: 126

source=2019-04-30 Executed - Panther - Patent Assignment Agreement - JCTC (WC700 to Brookfield)#page1.tif

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ASSIGNMENT OF PATENTS

This ASSIGNMENT OF PATENTS (this "Assignment"), dated as of April 30, 2019 ("Effective Date"), is entered into by and between Johnson Controls Technology Company, a Michigan corporation, with offices at 40600 Ann Arbor Road, Suite 201, Plymouth, Michigan 48170-4675 ("Assignor") and CPS Technology Holdings LLC, a Delaware limited liability company, with offices at 250 Vesey Street, 15th Floor, New York, New York 10281 ("Assignee"). Assignor and Assignee are collectively referred to herein as the "Parties."

RECITALS

WHEREAS, Johnson Controls International plc ("Seller") and BCP Acquisitions LLC ("Purchaser") have entered into a Stock and Asset Purchase Agreement, dated as of November 13, 2018 (as amended or otherwise modified from time to time, the "Purchase Agreement"), pursuant to which Seller has agreed to, and to cause the other Seller Entities (including Assignor) to, sell, assign, transfer and convey to Purchaser, among other things, all of Seller's and the other Seller Entities' right, title and interest in and to all Transferred Intellectual Property, including the patents, patent applications, designs, and design applications set forth on Schedule A attached hereto (the "Patents and Designs");

WHEREAS, on April 29, 2019 Purchaser assigned to Panther BF Aggregator 2 LP ("Parent Purchaser") and other Affiliates (as defined hereinafter) of Purchaser including the Assignee, certain rights and obligations under the Purchase Agreement (the "Master Assignment");

WHEREAS, pursuant to the Master Assignment, Purchaser, among other things, assigned to Assignee the Purchaser's right to purchase or otherwise acquire from Assignor, all of the Patents and Designs;

WHEREAS, in connection with the Purchase Agreement, Assignor and Assignee have entered into an Asset Purchase and Sale Agreement, dated as of April 30, 2019 (the "APSA"); and

WHEREAS, Assignor is executing this Assignment pursuant to the APSA and Section 2.8(b) of the Purchase Agreement.

NOW, THEREFORE, in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties hereto, intending to be legally bound hereby, agree as follows:

Section 1. Definitions. All capitalized terms used but not defined in this Assignment shall have the meaning ascribed to such term in the Purchase Agreement.

Section 2. Assignment. Assignor hereby irrevocably sells, assigns, transfers, conveys and delivers to Assignee and Assignee hereby accepts the sale, assignment, transfer, conveyance and delivery of, (i) all of Assignor's right, title, and interest in, to, and under the Patents and Designs, together with (A) all issued patents and design rights that are or may be secured from any applications included in the Patents and Designs, now or hereafter in effect,

(B) all continuations, continuations-in-part, divisionals, extensions, substitutions, reissues, revivals, re-examinations, renewals, of any of the foregoing, and (C) any other patents, patent applications, designs, or design applications from which any Patents and Designs claim priority and any and all inventions disclosed in any of the foregoing (clauses (A)-(C), collectively, the “Assigned Rights”) and (ii) any and all rights, claims, credits, causes of action, defenses and rights of offset or counterclaim to the extent arising from the rights in clause (i) that are available to or being pursued by Assignor against third parties (and the right to receive all monies, proceeds, settlements and recoveries in connection therewith) and have accrued or arisen prior to the Effective Date. For clarity, with respect to any jointly owned Patents and Designs, the assignment in this Section 2 is made solely with respect to Assignor’s rights in the Patents and Designs (and the accompanying Assigned Rights) and does not assign or otherwise transfer any rights of any other joint owner of the Patents and Designs (and the accompanying Assigned Rights) to Assignee.

Section 3. Recording the Assignment. The Parties hereby authorize and request the relevant authorities at the United States Patent and Trademark Office and all applicable foreign agencies to record this Assignment and record Assignee as the owner of the assigned rights above.

Section 4. Agreement Governs. Nothing contained herein shall in any way modify the Purchase Agreement. The Parties acknowledge and agree that the representations, warranties, covenants, indemnities, limitations and other terms contained in the Purchase Agreement shall not be superseded or expanded hereby and shall remain in full force and effect to the fullest extent provided therein. In the event of any conflict or inconsistency between the terms of the Purchase Agreement and the terms hereof, the terms of the Purchase Agreement shall govern. Further, all rights in any Transferred IP that is not Registered Intellectual Property are simultaneously transferred to Purchaser pursuant to that certain Bill of Sale.

Section 5. Counterparts. This Assignment may be executed in counterparts.

Section 6. Governing Law. This Assignment shall be governed by and construed in accordance with the laws of the State of Delaware, without regard to Delaware’s principles of conflicts of law.

Section 7. Further Assurances. Without limiting Assignor’s obligations under the Purchase Agreement, Assignor shall take all further actions and execute all further documents as are reasonably requested by Assignee to effect and record this Assignment with all applicable authorities.

[Signature page follows]

IN WITNESS WHEREOF, each party hereto has caused this Assignment to be duly executed on its behalf as of the day and year first above written.

JOHNSON CONTROLS TECHNOLOGY
COMPANY

By: [Signature]
Name: Michael R. Peterson
Title: President

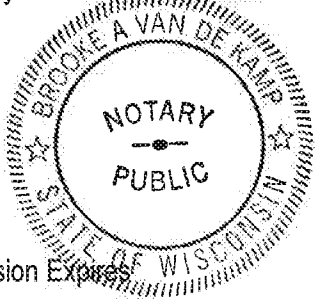
STATE OF Wisconsin)
COUNTY OF Milwaukee) ss.

On April 16, 2019, before me, Brooke Van de Kamp, Notary Public, personally appeared Michael Peterson, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]
Notary Public

Brooke A Van de Kamp
(Type or print name)



(Seal)

My Commission Expires

1/2/2021

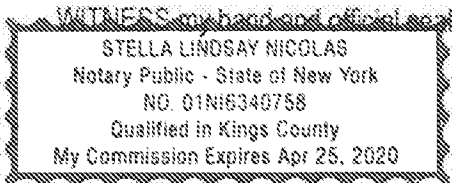
[Signature Page to Assignment of Patents (WC700 to Brookfield (US))]

CPS TECHNOLOGY HOLDINGS LLC

By: Kristen Haase
Name: Kristen Haase
Title: Vice President and Secretary

STATE OF NEW YORK)
)
COUNTY OF New York) ss.

On _____, 2019, before me, Stella Nicolas Notary Public, personally appeared Kristen Haase, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



Stella Nicolas
Notary Public

Stella Nicolas
(Type or print name)

(Seal)

My Commission Expires

Schedule A

| Docket | Country | Type | Application Number | Filing Date | Patent Number | Grant Date | Title | Owner |
|------------|---------|-----------------|--------------------|-------------|---------------|------------|--|-------------------------------------|
| 01PS002-BR | BR | Utility - NSPCT | P10206343.3 | 01/04/2002 | P10206343-3 | 03/17/2011 | Method for Making an Alloy Coated Battery Grid | Johnson Controls Technology Company |
| 01PS002-CN | CN | Utility - NSPCT | 02806010.5 | 01/04/2002 | ZL02806010.5 | 01/23/2008 | Method for Making an Alloy Coated Battery Grid | Johnson Controls Technology Company |
| 01PS002-DE | DE | Utility - EPPAT | 02708972.1 | 01/04/2002 | 60203257.1 | 03/16/2005 | Method for Making an Alloy Coated Battery Grid | Johnson Controls Technology Company |
| 01PS002-FR | FR | Utility - EPPAT | 02708972.1 | 01/04/2002 | 1348239 | 03/16/2005 | Method for Making an Alloy Coated Battery Grid | Johnson Controls Technology Company |
| 01PS002-GB | GB | Utility - EPPAT | 02708972.1 | 01/04/2002 | 1348239 | 03/16/2005 | Method for Making an Alloy Coated Battery Grid | Johnson Controls Technology Company |
| 01PS002-HK | HK | Utility - ORG | 04101191.1 | 02/19/2004 | 1058435 | 05/27/2005 | Method for Making an Alloy Coated Battery Grid | Johnson Controls Technology Company |
| 01PS002-IN | IN | Utility - NSPCT | 01028/DELNP/2003 | 01/04/2002 | 243477 | 10/20/2010 | Method for Making an Alloy Coated Battery Grid | Johnson Controls Technology Company |
| 01PS002-IT | IT | Utility - EPPAT | 02708972.1 | 01/04/2002 | 1348239 | 03/16/2005 | Method for Making an Alloy Coated Battery Grid | Johnson Controls Technology Company |
| 01PS002-JP | JP | Utility - NSPCT | 2002-554900 | 01/04/2002 | 4198993 | 10/10/2008 | Method for Making an Alloy Coated Battery Grid | Johnson Controls Technology Company |
| 01PS002-KR | KR | Utility - NSPCT | 10-2003-7009069 | 01/04/2002 | 10-0807070 | 02/18/2008 | Method for Making an Alloy Coated Battery Grid | Johnson Controls Technology Company |
| 01PS002-MX | MX | Utility - NSPCT | PA/a/2003/006030 | 01/04/2002 | 248360 | 08/27/2007 | Method for Making an Alloy Coated Battery Grid | Johnson Controls Technology Company |
| 01PS002-US | US | Utility - ORG | 09/755,337 | 01/05/2001 | 6953641 | 10/11/2005 | Method for Making an Alloy Coated Battery Grid | Johnson Controls Technology Company |

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|--------------------|----|-----------------|----------------|------------|------------------|------------|---|-------------------------------------|
| 01PS002-US-A | US | Utility - DIV | 10/996,168 | 11/23/2004 | 7398581 | 07/15/2008 | Method for Making Battery Plates | Johnson Controls Technology Company |
| 01PS002-US-B | US | Utility - CON | 12/135,903 | 06/09/2008 | 7763084 | 07/27/2010 | Method for Making Battery Plates | Johnson Controls Technology Company |
| 069236-1004-CN | CN | Utility - NSPCT | 200680050269.4 | 11/01/2006 | ZL200680050269.4 | 01/04/2012 | Device for Monitoring Cell Voltage | Johnson Controls Technology Company |
| 069236-1004-DE | DE | Utility - EPPAT | 06836746.5 | 11/01/2006 | 602006025116.5 | 10/12/2011 | Device for Monitoring Cell Voltage | Johnson Controls Technology Company |
| 069236-1004-FR | FR | Utility - EPPAT | 06836746.5 | 11/01/2006 | 1977263 | 10/12/2011 | Device for Monitoring Cell Voltage | Johnson Controls Technology Company |
| 069236-1004-GB | GB | Utility - EPPAT | 068367465 | 11/01/2006 | 1977263 | 10/12/2011 | Device for Monitoring Cell Voltage | Johnson Controls Technology Company |
| 069236-1004-US | US | Utility - CON | 12/177,024 | 07/21/2008 | 8248030 | 08/21/2012 | Device for Monitoring Cell Voltage | Johnson Controls Technology Company |
| 069236-4005-US | US | Utility - ORG | 09/745,819 | 12/20/2000 | 6426165 | 07/30/2002 | Electrochemical Cell Separators with High Crystallinity Binders | Johnson Controls Technology Company |
| 069236-4006-US | US | Utility - NSPCT | 11/921,442 | 02/01/2006 | 8173285 | 05/08/2012 | Lithium Battery Management System | Johnson Controls Technology Company |
| 069236-4007-US | US | Utility - NSPCT | 12/084,060 | 10/06/2006 | 8309241 | 11/13/2012 | Battery System with Temperature Sensors | Johnson Controls Technology Company |
| 069236-4007-US CON | US | Utility - CON | 13/614,206 | 09/13/2012 | 8642198 | 02/04/2014 | Battery System with Temperature Sensors | Johnson Controls Technology Company |
| 069236-4009-US | US | Utility - CON | 12/166,138 | 07/01/2008 | 9159982 | 10/13/2015 | Battery System | Johnson Controls Technology Company |
| 069236-4012-DE | DE | Utility - EPPAT | 058580838 | 08/25/2005 | 602005049105.8 | 04/20/2016 | Lithium Battery System | Johnson Controls Technology Company |
| 069236-4012-FR | FR | Utility - EPPAT | 058580838 | 08/25/2005 | 1878085 | 04/20/2016 | Lithium Battery System | Johnson Controls Technology Company |

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|----------------|----|-----------------|----------------|------------|-------------------|------------|--|-------------------------------------|
| 069236-4012-GB | GB | Utility - EPPAT | 058580838 | 08/25/2005 | 1878085 | 04/20/2016 | Lithium Battery System | Johnson Controls Technology Company |
| 069236-4012-IT | IT | Utility - EPPAT | 058580838 | 08/25/2005 | 502016000073813 | 04/20/2016 | Lithium Battery System | Johnson Controls Technology Company |
| 069236-4012-US | US | Utility - NSPCT | 11/898,634 | 09/13/2007 | 8518568 | 08/27/2013 | Battery System | Johnson Controls Technology Company |
| 069236-4201 US | US | Utility - ORG | 10/976,169 | 10/28/2004 | 8632898 | 01/21/2014 | Battery System Including Batteries That Have a Plurality of Positive Terminals and a Plurality of Negative Terminals | Johnson Controls Technology Company |
| 069236-4318 | US | Utility - ORG | 10/216,060 | 08/09/2002 | 7045236 | 05/16/2006 | Heat and Gas Exchange System for Battery | Johnson Controls Technology Company |
| 10PS001-CN | CN | Utility - NSPCT | 201180054181.0 | 09/09/2011 | ZL 201180054181.0 | 09/02/2015 | Vehicle Battery Monitoring System | Johnson Controls Technology Company |
| 10PS001-EP | EP | Utility - NSPCT | 11760628.5 | 09/09/2011 | | | Vehicle Battery Monitoring System | Johnson Controls Technology Company |
| 10PS001-US | US | Utility - NSPCT | 13/820,720 | 09/09/2011 | 9766293 | 09/19/2017 | Vehicle Battery Monitoring System | Johnson Controls Technology Company |
| 11PS111-US | US | Utility - ORG | 15/166,099 | 05/26/2016 | | | Textured Lead-Acid Battery Housing | Johnson Controls Technology Company |
| 11PS184-CN | CN | Utility - NSPCT | 201480020563.5 | 01/22/2014 | | | Battery Monitoring Network | Johnson Controls Technology Company |
| 11PS184-EP | EP | Utility - NSPCT | 14703224.7 | 01/22/2014 | | | Battery Monitoring Network | Johnson Controls Technology Company |
| 11PS184-US | US | Utility - ORG | 14/084,019 | 11/19/2013 | | | Battery Monitoring Network | Johnson Controls Technology Company |
| 11PS528-CN | CN | Utility - NSPCT | 201480020564.X | 01/22/2014 | ZL 201480020564.X | 04/13/2018 | Battery Monitoring System with On Demand Diagnostic Activation | Johnson Controls Technology Company |

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| 11PS528-DE | DE | Utility - EPPAT | 14706354.9 | 01/22/2014 | 602014038555.9 | 12/26/2018 | Battery Monitoring System with On Demand Diagnostic Activation | Johnson Controls Technology Company |
| 11PS528-FR | FR | Utility - EPPAT | 14706354.9 | 01/22/2014 | 2956329 | 12/26/2018 | Battery Monitoring System with On Demand Diagnostic Activation | Johnson Controls Technology Company |
| 11PS528-GB | GB | Utility - EPPAT | 14706354.9 | 01/22/2014 | 2956329 | 12/26/2018 | Battery Monitoring System with On Demand Diagnostic Activation | Johnson Controls Technology Company |
| 11PS528-US | US | Utility - ORG | 14/084,060 | 11/19/2013 | 9316694 | 04/19/2016 | Battery Monitoring System with On Demand Diagnostic Activation | Johnson Controls Technology Company |
| 12PS046-AU | AU | Utility - NSPCT | 2013271596 | 06/06/2013 | 2013271596 | 01/21/2016 | BATTERY CHARGING AND MAINTAINING WITH DEFECTIVE BATTERY MONITORING | Johnson Controls Technology Company |
| 12PS046-CA | CA | Utility - NSPCT | CA 2875787 | 06/06/2013 | 2875787 | 07/31/2018 | Battery Charging And Maintaining With Defective | Johnson Controls Technology Company |
| 12PS046-CN | CN | Utility - NSPCT | 201380041547.X | 06/06/2013 | 201380041547.X | 02/23/2018 | Battery Charging And Maintaining With Defective | Johnson Controls Technology Company |
| 12PS046-EP | EP | Utility - NSPCT | 13800518.6 | 06/06/2013 | | | Battery Monitoring | Johnson Controls Technology Company |
| 12PS046-MX | MX | Utility - NSPCT | MX/E/2014/087874 | 06/06/2013 | 343054 | 10/21/2016 | BATTERY CHARGING AND MAINTAINING WITH DEFECTIVE BATTERY MONITORING | Johnson Controls Technology Company |

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|------------|----|-----------------|----------------|------------|-------------------|------------|--|-------------------------------------|------------|--|
| | | | | | | | | | MONITORING | |
| 12PS046-US | US | Utility - ORG | 13/9/10,760 | 06/05/2013 | 9702939 | 07/11/2017 | BATTERY CHARGING AND MAINTAINING WITH DEFECTIVE BATTERY MONITORING | Johnson Controls Technology Company | | |
| 12PS077-US | US | Utility - ORG | 14/014,117 | 08/29/2013 | 9669724 | 06/06/2017 | An Optimized Fuzzy Logic Controller for Energy Management in Micro and Mild Hybrid Electric Vehicles | Johnson Controls Technology Company | | |
| 12PS079-CN | CN | Utility - NSPCT | 201380073773.6 | 12/27/2013 | ZL 201380073773.6 | 11/09/2018 | Polymerized Lithium Ion Battery Cells and Modules With Overmolded Heat Sinks | Johnson Controls Technology Company | | |
| 12PS079-DE | DE | Utility - EPPAT | 13821414.3 | 12/27/2013 | 602013030186.7 | 11/29/2017 | Lithium Ion Battery Modules with Overmolded Heat Sinks | Johnson Controls Technology Company | | |
| 12PS079-FR | FR | Utility - EPPAT | 13821414.3 | 12/27/2013 | 2939293 | 11/29/2017 | Lithium Ion Battery Modules with Overmolded Heat Sinks | Johnson Controls Technology Company | | |
| 12PS079-GB | GB | Utility - EPPAT | 13821414.3 | 12/27/2013 | 2939293 | 11/29/2017 | Lithium Ion Battery Modules with Overmolded Heat Sinks | Johnson Controls Technology Company | | |
| 12PS079-IT | IT | Utility - EPPAT | 13821414.3 | 12/27/2013 | 502018000005871 | 11/29/2017 | Lithium Ion Battery Modules with Overmolded Heat Sinks | Johnson Controls Technology Company | | |
| 12PS079-US | US | Utility - ORG | 14/142,051 | 12/27/2013 | 9450275 | 09/20/2016 | Polymerized Lithium Ion Battery Cells and Modules With Overmolded Heat Sinks | Johnson Controls Technology Company | | |

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| 12PS091-US | US | Utility - ORG | 13/942,192 | 07/15/2013 | | | High Performance Lead Acid Battery With Advanced Electrolyte System | Johnson Controls Technology Company |
| 12PS097-WO | WO | Utility - ORG | PCT/US18/65697 | 12/14/2018 | | | Hold-Down Assembly And Device For A Battery | Johnson Controls Technology Company |
| 12PS105-US | US | Utility - ORG | 14/142,055 | 12/27/2013 | 9419315 | 08/16/2016 | Polymerized Lithium Ion Battery Cells and Modules With Permeability Management Features | Johnson Controls Technology Company |
| 12PS106-US | US | Utility - ORG | 14/142,049 | 12/27/2013 | 9590279 | 03/07/2017 | Polymerized Lithium Ion Battery Cells and Modules With Thermal Management Features | Johnson Controls Technology Company |
| 12PS107-CN | CN | Utility - NSPCT | 201380073781.0 | 12/27/2013 | ZL 201380073781.0 | 02/06/2018 | Welding Techniques for Polymerized Lithium Ion Battery Cells and Modules | Johnson Controls Technology Company |
| 12PS107-DE | DE | Utility - EPPAT | 13818968.3 | 12/27/2013 | 602013035172.4 | 03/28/2018 | Welding Techniques for Polymerized Lithium Ion Battery Cells and Modules | Johnson Controls Technology Company |
| 12PS107-FR | FR | Utility - EPPAT | 13818968.3 | 12/27/2013 | 2939292 | 03/28/2018 | Welding Techniques for Polymerized Lithium Ion Battery Cells and Modules | Johnson Controls Technology Company |
| 12PS107-GB | GB | Utility - EPPAT | 13818968.3 | 12/27/2013 | 2939292 | 03/28/2018 | Welding Techniques for Polymerized Lithium Ion Battery Cells and Modules | Johnson Controls Technology Company |
| 12PS107-US | US | Utility - ORG | 14/142,058 | 12/27/2013 | 9537185 | 01/03/2017 | Welding Techniques for Polymerized Lithium Ion Battery | Johnson Controls Technology Company |

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|-------------|----|-----------------|----------------|------------|-------------------|------------|--|-------------------------------------|-------------------|--|
| | | | | | | | | | Cells and Modules | |
| 12PS154-CN | CN | Utility - NSPCT | 201480020758.X | 01/22/2014 | ZL 201480020758.X | 09/29/2017 | Vehicle Battery Monitoring System | Johnson Controls Technology Company | | |
| 12PS154-EP | EP | Utility - NSPCT | 14703711.3 | 01/22/2014 | | | Vehicle Battery Monitoring System | Johnson Controls Technology Company | | |
| 12PS154-US | US | Utility - ORG | 14/084,100 | 11/19/2013 | 9581654 | 02/28/2017 | Vehicle Battery Monitoring System | Johnson Controls Technology Company | | |
| 13PS002-CN | CN | Utility - NSPCT | 201380063933.9 | 12/20/2013 | ZL 201380063933.9 | 10/23/2018 | Dual Function Battery System And Method | Johnson Controls Technology Company | | |
| 13PS002-CN2 | CN | Utility - DIV | 201811155244.1 | 12/20/2013 | | | Dual Function Battery System And Method | Johnson Controls Technology Company | | |
| 13PS002-US | US | Utility - ORG | 14/013,392 | 08/29/2013 | 10106038 | 10/23/2018 | Dual Function Battery System and Method | Johnson Controls Technology Company | | |
| 13PS002-US2 | US | Utility - CON | 16/167,253 | 10/22/2018 | | | Dual Function Energy Storage System And Method | Johnson Controls Technology Company | | |
| 13PS022-EP | EP | Utility - NSPCT | 14750114.2 | 07/25/2014 | 3025385 | 03/21/2018 | Vent Housing for Advanced Batteries | Johnson Controls Technology Company | | |
| 13PS024-US2 | US | Utility - DIV | 16/027,094 | 07/03/2018 | | | Cathode Formed Using Aqueous Slurry | Johnson Controls Technology Company | | |
| 13PS068-EP | EP | Utility - NSPCT | 14718490.7 | 03/12/2014 | 3028323 | 08/15/2018 | DC-DC Converter for Batteries Having Multiple Positive Terminals | Johnson Controls Technology Company | | |
| 13PS071-EP | EP | Utility - NSPCT | 14719435.1 | 03/12/2014 | 3028335 | 07/11/2018 | Remanufacturing Methods for Battery Module | Johnson Controls Technology Company | | |
| 13PS080-EP | EP | Utility - NSPCT | 13818105.2 | 12/16/2013 | 3033800 | 09/19/2018 | Dual Storage System With Lithium Ion and Lead Acid Battery Cells | Johnson Controls Technology Company | | |

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|--------------------|----|---------------------------------|-----------------|------------|------------------|------------|---|---|
| 13PS105-EP | EP | Utility - NSPCT | 14756220.1 | 08/18/2014 | 3042404 | 10/03/2018 | System for Venting Pressurized Gas from a Battery Module | Johnson Controls Technology Company |
| 13PS009-US | US | Design - ORG | 29/435,841 | 10/29/2012 | D713341 | 09/16/2014 | Battery Maintainer Front Panel | Johnson Controls Technology Company |
| 13PS010-AU | AU | Design Registration - ORG | 10433/2013 | 01/25/2013 | 347158 | 02/21/2013 | Battery Maintainer | Johnson Controls Technology Company |
| 13PS010-CA | CA | Design Registration - ORG | 149,359 | 01/14/2013 | 149359 | 11/04/2013 | Battery Maintainer | Johnson Controls Technology Company |
| 13PS010-CN | CN | Design Registration - ORG | 201330050147.8 | 02/25/2013 | ZL201330050147.8 | 01/29/2014 | Battery Maintainer | Johnson Controls Technology Company |
| 13PS010-EU | EM | Design Registration - ORG | 002227249-0001 | 04/25/2013 | 002227249-0001 | 04/25/2013 | Battery Maintainer | Johnson Controls Technology Company |
| 13PS010-JP | JP | Design Registration - ORG | 2013-001503 | 01/28/2013 | 1502784 | 06/20/2014 | Battery Maintainer | Johnson Controls Technology Company |
| 13PS010-MX | MX | Design Registration - ORG | MX//2013/000131 | 01/14/2013 | 41052 | 02/14/2014 | Battery Maintainer | Johnson Controls Technology Company |
| 13PS010-US- DES | US | Design - ORG | 29/435,843 | 10/29/2012 | D725032 | 03/24/2015 | Battery Maintainer | Johnson Controls Technology Company |

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| 13PS011-US | US | Design - ORG | 29/435,838 | 10/29/2012 | D713340 | 09/16/2014 | Battery Maintainer Interface | Johnson Controls Technology Company |
| 13PS012-US | US | Utility - ORG | 14/055,060 | 10/16/2013 | 9230390 | 01/05/2016 | Vehicle Battery Point of Sale System and Method | Johnson Controls Technology Company |
| 13PS016-US-DES | US | Design - ORG | 29/435,844 | 10/29/2012 | D725033 | 03/24/2015 | Battery Maintainer and Mount | Johnson Controls Technology Company |
| 13PS018-US | US | Utility - ORG | 14/055,546 | 10/16/2013 | 9092634 | 07/28/2015 | Vehicle Battery Data Storage and Processing System and Method | Johnson Controls Technology Company |
| 13PS020-US | US | Utility - ORG | 14/578,011 | 12/19/2014 | | | Battery With Life Estimation | Johnson Controls Technology Company |
| 13PS022-DE | DE | Utility - EPPAT | 14750114.2 | 07/25/2014 | 602014022659.0 | 03/21/2018 | Vent Housing for Advanced Batteries | Johnson Controls Technology Company |
| 13PS022-FR | FR | Utility - EPPAT | 14750114.2 | 07/25/2014 | 3025385 | 03/21/2018 | Vent Housing for Advanced Batteries | Johnson Controls Technology Company |
| 13PS022-GB | GB | Utility - EPPAT | 14750114.2 | 07/25/2014 | 3025385 | 03/21/2018 | Vent Housing for Advanced Batteries | Johnson Controls Technology Company |
| 13PS022-US | US | Utility - ORG | 14/339,357 | 07/23/2014 | 9947908 | 04/17/2018 | Vent Housing for Advanced Batteries | Johnson Controls Technology Company |
| 13PS022-US2 | US | Utility - DIV | 15/915,056 | 03/07/2018 | | | Vent Housing For Advanced Batteries | Johnson Controls Technology Company |
| 13PS024-CN | CN | Utility - NSPCT | 201380067779.2 | 10/21/2013 | ZL 201380067779.2 | 11/17/2017 | Cathode Formed Using Aqueous Slurry | Johnson Controls Technology Company |
| 13PS024-CN2 | CN | Utility - DIV | 201711045012.6 | 10/21/2013 | | | Cathode Formed Using Aqueous Slurry | Johnson Controls Technology Company |
| 13PS024-EP | EP | Utility - NSPCT | 13785771.0 | 10/21/2013 | | | Method of Making a Cathode Using an Aqueous Slurry | Johnson Controls Technology Company |
| 13PS024-US | US | Utility - ORG | 14/057,939 | 10/18/2013 | 10014518 | 07/03/2018 | Cathode Formed Using Aqueous Slurry | Johnson Controls Technology Company |

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| 13PS026-CN | CN | Utility - NSPCT | 201380072404.5 | 12/20/2013 | | | | Electrolyte Solutions For Lithium-Ion Battery Cells Operating Over A Wide Temperature Range | Johnson Controls Technology Company |
| 13PS026-DE | DE | Utility - EPPAT | 13818162.3 | 12/20/2013 | 602013015457.0 | 12/14/2016 | Electrolyte Solutions for Lithium-Ion Battery Cells Operating Over a Wide Temperature Range | Johnson Controls Technology Company | |
| 13PS026-FR | FR | Utility - EPPAT | 13818162.3 | 12/20/2013 | 2939305 | 12/14/2016 | Electrolyte Solutions for Lithium-Ion Battery Cells Operating Over a Wide Temperature Range | Johnson Controls Technology Company | |
| 13PS026-GB | GB | Utility - EPPAT | 13818162.3 | 12/20/2013 | 2939305 | 12/14/2016 | Electrolyte Solutions for Lithium-Ion Battery Cells Operating Over a Wide Temperature Range | Johnson Controls Technology Company | |
| 13PS026-IT | IT | Utility - EPPAT | 13818162.3 | 12/20/2013 | 502017000026873 | 12/14/2016 | Electrolyte Solutions for Lithium-Ion Battery Cells Operating Over a Wide Temperature Range | Johnson Controls Technology Company | |
| 13PS029-CA | CA | Utility - NSPCT | 2,917,441 | 07/24/2014 | 2917441 | 03/27/2018 | Vent Adapter For Lead-Acid Battery Systems Temperature Range | Johnson Controls Technology Company | |
| 13PS029-CN | CN | Utility - NSPCT | 201480052561.4 | 07/24/2014 | ZL 201480052561.4 | 11/30/2018 | Vent Adapter for Lead-Acid Battery Systems | Johnson Controls Technology Company | |
| 13PS029- DES/US | US | Design - CIP | 29/497,629 | 07/25/2014 | D760650 | 07/05/2016 | Battery Vent Adapter | Johnson Controls Technology Company | |
| 13PS029- DES/US2 | US | Design - DIV | 29/564,421 | 05/12/2016 | D779427 | 02/21/2017 | Battery Vent Adapter | Johnson Controls Technology Company | |

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| 13PS029-DES/US3 | US | Design - CON | 29/591,068 | 01/16/2017 | D807291 | 01/09/2018 | Battery Vent Adapter | Johnson Controls Technology Company |
| 13PS029-KR2 | KR | Utility - DIV | 1020187014344 | 07/24/2014 | | | Vent Adapter For Lead-Acid Battery Systems | Johnson Controls Technology Company |
| 13PS029-MX | MX | Utility - NSPCT | MX/a/2016/000676 | 07/24/2014 | | | Vent Adapter For Lead-Acid Battery Systems | Johnson Controls Technology Company |
| 13PS029-US | US | Utility - ORG | 14/337,479 | 07/22/2014 | 10193113 | 01/29/2019 | Vent Adapter for Lead-Acid Battery Systems | Johnson Controls Technology Company |
| 13PS029-US2 | US | Utility - DIV | 16/260,047 | 01/28/2019 | | | Vent Adapter For Lead-Acid Battery Systems | Johnson Controls Technology Company |
| 13PS034-US | US | Utility - ORG | 14/014,163 | 08/29/2013 | 9061599 | 06/23/2015 | System and Method for Optimizing the Storing of Vehicular Energy | Johnson Controls Technology Company |
| 13PS035-US | US | Utility - ORG | 14/014,211 | 08/29/2013 | 9043085 | 05/26/2015 | Vehicle Accessory Load Controller and Method | Johnson Controls Technology Company |
| 13PS036-US | US | Utility - ORG | 14/014,009 | 08/29/2013 | 8996227 | 03/31/2015 | System and Method For Controlling Voltage On A Power Network | Johnson Controls Technology Company |
| 13PS037-US | US | Utility - ORG | 14/014,243 | 08/29/2013 | 9318781 | 04/19/2016 | Predicted Sensor Information for a Battery | Johnson Controls Technology Company |
| 13PS039-US | US | Utility - ORG | 13/954,755 | 07/30/2013 | 9496588 | 11/15/2016 | Battery Module with Cooling Features | Johnson Controls Technology Company |
| 13PS040-CN | CN | Utility - NSPCT | 201380069661.3 | 12/20/2013 | ZL 201380069661.3 | 03/15/2019 | Energy Storage Control System and Method | Johnson Controls Technology Company |
| 13PS040-EP | EP | Utility - NSPCT | 13819164.8 | 12/20/2013 | | | Energy Storage Control System and Method | Johnson Controls Technology Company |
| 13PS040-US | US | Utility - ORG | 14/014,270 | 08/29/2013 | 9085238 | 07/21/2015 | Energy Storage Control System and Method | Johnson Controls Technology Company |
| 13PS040-US-DIV | US | Utility - DIV | 14/752,403 | 06/26/2015 | 9469212 | 10/18/2016 | Energy Storage Control System and Method | Johnson Controls Technology Company |

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| 13PS043-CN | CN | Utility - NSPCT | 201480051916.8 | 07/29/2014 | | | | Aqueous Cathode Slurry Prepared By Adding Oxalic Acid And Cathode Produced Therefrom | Johnson Controls Technology Company |
| 13PS043-EP | EP | Utility - NSPCT | 14750913.7 | 07/29/2014 | | | | Aqueous Cathode Slurry Prepared by Adding Oxalic Acid and Cathode Produced Therefrom | Johnson Controls Technology Company |
| 13PS043-US | US | Utility - ORG | 14/444,571 | 07/28/2014 | | | | Aqueous Cathode Slurry | Johnson Controls Technology Company |
| 13PS045-CN | CN | Utility - NSPCT | 201480049579.9 | 10/28/2014 | ZL 201480049579.9 | 10/12/2018 | | System and Method for Battery Cell Thermal Management Using Carbon-Based Thermal Films | Johnson Controls Technology Company |
| 13PS045-EP | EP | Utility - NSPCT | 14793755.1 | 10/28/2014 | | | | System and Method for Battery Cell Thermal Management Using Carbon-Based Thermal Films | Johnson Controls Technology Company |
| 13PS045-US | US | Utility - ORG | 14/524,798 | 10/27/2014 | 9780418 | 10/03/2017 | | System and Method for Battery Cell Thermal Management Using Carbon-Based Thermal Films | Johnson Controls Technology Company |
| 13PS054-CN | CN | Utility - NSPCT | 201480022071.X | 04/16/2014 | ZL 201480022071.X | 03/27/2018 | | Lead Acid State of Charge Estimation for Auto-Stop Applications | Johnson Controls Technology Company |
| 13PS054-EP | EP | Utility - NSPCT | 14726269.5 | 04/16/2014 | | | | Lead Acid State of Charge Estimation for Auto-Stop Applications | Johnson Controls Technology Company |
| 13PS054-US | US | Utility - ORG | 14/253,720 | 04/15/2014 | 9625533 | 04/18/2017 | | Lead Acid State of Charge Estimation for Auto-Stop Applications | Johnson Controls Technology Company |

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| 13PS056-CN | CN | Utility - NSPCT | 201480040722.8 | 07/25/2014 | ZL 201480040722.8 | 12/21/2018 | Cooling System and Method for Lithium-Ion Battery Module | Johnson Controls Technology Company |
| 13PS056-DE | DE | Utility - EPPAT | 14750888.1 | 07/25/2014 | 602014021251.4 | 02/21/2018 | Cooling System for Battery Module | Johnson Controls Technology Company |
| 13PS056-FR | FR | Utility - EPPAT | 14750888.1 | 07/25/2014 | 3025384 | 02/21/2018 | Cooling System for Battery Module | Johnson Controls Technology Company |
| 13PS056-GB | GB | Utility - EPPAT | 14750888.1 | 07/25/2014 | 3025384 | 02/21/2018 | Cooling System for Battery Module | Johnson Controls Technology Company |
| 13PS056-IT | IT | Utility - EPPAT | 14750888.1 | 07/25/2014 | 502018000014339 | 02/21/2018 | Cooling System for Battery Module | Johnson Controls Technology Company |
| 13PS056-US | US | Utility - ORG | 14/340,352 | 07/24/2014 | 10062934 | 08/28/2018 | Cooling System and Method for Lithium-Ion Battery Module | Johnson Controls Technology Company |
| 13PS061-US | US | Utility - ORG | 13/954,733 | 07/30/2013 | 9287579 | 03/15/2016 | Battery Cell with Integrated Heat Fin | Johnson Controls Technology Company |
| 13PS062-US | US | Utility - ORG | 13/954,800 | 07/30/2013 | 9312580 | 04/12/2016 | Battery Module with Phase Change Material | Johnson Controls Technology Company |
| 13PS063-US | US | Utility - ORG | 13/954,825 | 07/30/2013 | 10096806 | 10/09/2018 | System and Method for Clamping Interconnection of Battery Cells | Johnson Controls Technology Company |
| 13PS064-US | US | Utility - ORG | 13/954,830 | 07/30/2013 | 9385355 | 07/05/2016 | System and Method for Crimping Interconnection of Battery Cells | Johnson Controls Technology Company |
| 13PS065-US | US | Utility - ORG | 13/954,738 | 07/30/2013 | 9337451 | 05/10/2016 | System and Method for Roller Interconnection of Battery Cells | Johnson Controls Technology Company |
| 13PS066-US | US | Utility - ORG | 13/954,765 | 07/30/2013 | 9553343 | 01/24/2017 | Printed Circuit Board Interconnect for Cells in a | Johnson Controls Technology Company |

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| 13PS068-DE | DE | Utility - EPPAT | 14718490.7 | 03/12/2014 | 602014030430.3 | 08/15/2018 | Battery System | Johnson Controls Technology Company |
| 13PS068-FR | FR | Utility - EPPAT | 14718490.7 | 03/12/2014 | 3028323 | 08/15/2018 | DC-DC Converter for Batteries Having Multiple Positive Terminals | Johnson Controls Technology Company |
| 13PS068-GB | GB | Utility - EPPAT | 14718490.7 | 03/12/2014 | 3028323 | 08/15/2018 | DC-DC Converter for Batteries Having Multiple Positive Terminals | Johnson Controls Technology Company |
| 13PS068-US | US | Utility - ORG | 13/954,907 | 07/30/2013 | 9438113 | 09/06/2016 | DC-DC Converter for Batteries Having Multiple Positive Terminals | Johnson Controls Technology Company |
| 13PS069-CN | CN | Utility - NSPCT | 201480042955.1 | 03/12/2014 | | | Lithium Ion Battery with Lead Acid Form Factor | Johnson Controls Technology Company |
| 13PS069-EP | EP | Utility - NSPCT | 14714898.5 | 03/12/2014 | | | Lithium Ion Battery with Lead Acid Form Factor | Johnson Controls Technology Company |
| 13PS069-US | US | Utility - ORG | 13/954,919 | 07/30/2013 | | | Lithium Ion Battery with Lead Acid Form Factor | Johnson Controls Technology Company |
| 13PS070-US | US | Utility - ORG | 13/954,798 | 07/30/2013 | 9748548 | 08/29/2017 | Pouch Frame with Integral Circuitry for a Battery Module | Johnson Controls Technology Company |
| 13PS071-CN | CN | Utility - NSPCT | 201480042954.7 | 03/12/2014 | | | Remanufacturing Methods for Battery Module | Johnson Controls Technology Company |
| 13PS071-DE | DE | Utility - EPPAT | 14719435.1 | 03/12/2014 | 602014028255.5 | 07/11/2018 | Remanufacturing Methods for Battery Module | Johnson Controls Technology Company |
| 13PS071-FR | FR | Utility - EPPAT | 14719435.1 | 03/12/2014 | 3028335 | 07/11/2018 | Remanufacturing Methods for Battery Module | Johnson Controls Technology Company |
| 13PS071-GB | GB | Utility - EPPAT | 14719435.1 | 03/12/2014 | 3028335 | 07/11/2018 | Remanufacturing Methods for Battery Module | Johnson Controls Technology Company |

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| 13PS071-US | US | Utility - ORG | 13/954,932 | 07/30/2013 | 9525195 | 12/20/2016 | Remanufacturing Methods for Battery Module | Johnson Controls Technology Company |
| 13PS073-CN | CN | Utility - NSPCT | 201580045455.8 | 08/26/2015 | | | Collar For Sealing A Battery Module | Johnson Controls Technology Company |
| 13PS073-CN2 | CN | Utility - DIV | 201711316258.2 | 08/26/2015 | | | Collar for Sealing a Battery Module | Johnson Controls Technology Company |
| 13PS073-EP | EP | Utility - NSPCT | 15760571.8 | 08/26/2015 | | | Collar for Sealing a Battery Module | Johnson Controls Technology Company |
| 13PS073-EP2 | EP | Utility - DIV | 17208629.0 | 08/26/2015 | | | Battery Module Housing Assembly and Method for Sealing a Battery Module Housing Assembly | Johnson Controls Technology Company |
| 13PS073-US | US | Utility - ORG | 14/835,615 | 08/25/2015 | | | Collar For Sealing A Battery Module | Johnson Controls Technology Company |
| 13PS074-CN | CN | Utility - NSPCT | 201580045511.8 | 08/20/2015 | | | Recessed Terminal in Module Body | Johnson Controls Technology Company |
| 13PS074-EP | EP | Utility - NSPCT | 15766954.0 | 08/20/2015 | | | Recessed Terminal in Module Body | Johnson Controls Technology Company |
| 13PS074-US | US | Utility - ORG | 14/802,846 | 07/17/2015 | 10056598 | 08/21/2018 | Recessed Terminal in Module Body | Johnson Controls Technology Company |
| 13PS077-CN | CN | Utility - NSPCT | 201480071466.9 | 12/30/2014 | ZL 201480071466.9 | 01/11/2019 | Micro-Hybrid Battery Module For A Vehicle | Johnson Controls Technology Company |
| 13PS077-EP | EP | Utility - NSPCT | 14824751.3 | 12/30/2014 | | | Micro-Hybrid Battery Module For A Vehicle | Johnson Controls Technology Company |
| 13PS077-US | US | Utility - ORG | 14/584,798 | 12/29/2014 | 9997816 | 06/12/2018 | Micro-Hybrid Battery Module for a Vehicle | Johnson Controls Technology Company |
| 13PS080-CN | CN | Utility - NSPCT | 201380078366.4 | 12/16/2013 | ZL 201380078366.4 | 02/01/2019 | Dual Storage System And Method With Lithium Ion And Lead Acid Battery | Johnson Controls Technology Company |

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| 13PS080-DE | DE | Utility - EPPAT | 13818105.2 | 12/16/2013 | 602013043982.6 | 09/19/2018 | Dual Storage System With Lithium Ion and Lead Acid Battery Cells | Johnson Controls Technology Company |
| 13PS080-FR | FR | Utility - EPPAT | 13818105.2 | 12/16/2013 | 3033800 | 09/19/2018 | Dual Storage System With Lithium Ion and Lead Acid Battery Cells | Johnson Controls Technology Company |
| 13PS080-GB | GB | Utility - EPPAT | 13818105.2 | 12/16/2013 | 3033800 | 09/19/2018 | Dual Storage System With Lithium Ion and Lead Acid Battery Cells | Johnson Controls Technology Company |
| 13PS080-US | US | Utility - ORG | 14/106,663 | 12/13/2013 | 9812732 | 11/07/2017 | Dual Storage System and Method With Lithium Ion And Lead Acid Battery Cells | Johnson Controls Technology Company |
| 13PS082-US | US | Utility - ORG | 14/221,366 | 03/21/2014 | 10023072 | 07/17/2018 | DC-DC Converter for a 48V Micro Hybrid | Johnson Controls Technology Company |
| 13PS083-CN | CN | Utility - NSPCT | 201480042950.9 | 01/24/2014 | | | Passive Architectures for Batteries Having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS083-DE | DE | Utility - EPPAT | 14/704452.3 | 01/24/2014 | 602014022575.6 | 03/21/2018 | Passive Architectures for Batteries Having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS083-FR | FR | Utility - EPPAT | 14/704452.3 | 01/24/2014 | 3028336 | 03/21/2018 | Passive Architectures for Batteries Having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS083-GB | GB | Utility - EPPAT | 14/704452.3 | 01/24/2014 | 3028336 | 03/21/2018 | Passive Architectures for Batteries Having Two Different Chemistries | Johnson Controls Technology Company |

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| 13PS083-IT | IT | Utility - EPPAT | 14704452.3 | 01/24/2014 | 502018000018393 | 03/21/2018 | Passive Architectures for Batteries Having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS083-US | US | Utility - ORG | 14/161,889 | 01/23/2014 | 9718375 | 08/01/2017 | Passive Architectures for Batteries having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS084-CN | CN | Utility - NSPCT | 201480042947.7 | 01/24/2014 | ZL 201480042947.7 | 11/23/2018 | Switched Passive Architectures for Batteries having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS084-EP | EP | Utility - NSPCT | 14705901.8 | 01/24/2014 | | | Switched Passive Architectures for Batteries having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS084-US | US | Utility - ORG | 14/161,858 | 01/23/2014 | 9527402 | 12/27/2016 | Switched Passive Architectures for Batteries having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS084-US2 | US | Utility - CON | 15/389,772 | 12/23/2016 | 10062892 | 08/28/2018 | Switched Passive Architectures for Batteries Having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS084-US3 | US | Utility - CON | 15/839,610 | 12/12/2017 | 10020485 | 07/10/2018 | Passive Architectures For Batteries Having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS084-US4 | US | Utility - CON | 16/113,623 | 08/27/2018 | | | Architectures For Batteries Having Two Different Chemistries | Johnson Controls Technology Company |

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| 13PS085-CN | CN | Utility - NSPCT | 201480042948.1 | 01/24/2014 | ZL 201480042948.1 | 08/03/2018 | Semi-active Architectures for Batteries having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS085-DE | DE | Utility - EPPAT | 14706363.0 | 01/24/2014 | 602014028235.0 | 07/11/2018 | Semi-active Architectures for Batteries having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS085-FR | FR | Utility - EPPAT | 14706363.0 | 01/24/2014 | 3028338 | 07/11/2018 | Semi-active Architectures for Batteries having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS085-GB | GB | Utility - EPPAT | 14706363.0 | 01/24/2014 | 3028338 | 07/11/2018 | Semi-active Architectures for Batteries having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS085-US | US | Utility - ORG | 14/161,834 | 01/23/2014 | 9527401 | 12/27/2016 | Semi-Active Architectures for Batteries Having Two Different Chemistries | Johnson Controls Technology Company |
| 13PS087-US | US | Utility - ORG | 14/231,329 | 03/31/2014 | 9985268 | 05/29/2018 | Battery Module Housing and Method of Making the Same | Johnson Controls Technology Company |
| 13PS090-US | US | Utility - ORG | 14/609,936 | 01/30/2015 | 10230088 | 03/12/2019 | Battery Electrode Assembly, Separator and Method of Making Same | Johnson Controls Technology Company |
| 13PS094-US | US | Utility - ORG | 14/230,475 | 03/31/2014 | 9457743 | 10/04/2016 | Battery Terminal Post System and Method of Manufacture | Johnson Controls Technology Company |
| 13PS095-CN | CN | Utility - NSPCT | 201480048653.5 | 08/25/2014 | ZL 201480048653.5 | 03/08/2019 | Battery Module Printed Circuit Board Assembly System and Method | Johnson Controls Technology Company |

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| 13PS095-CN2 | CN | Utility - DIV | 201910124984.7 | 08/25/2014 | | | Battery Module Printed Circuit Board Assembly System and Method | Johnson Controls Technology Company |
| 13PS095-DE | DE | Utility - EPPAT | 14761767.4 | 08/25/2014 | 602014033402.4 | 10/03/2018 | Battery Module Printed Circuit Board Assembly System and Method | Johnson Controls Technology Company |
| 13PS095-EP | EP | Utility - NSPCT | 14761767.4 | 08/25/2014 | 3042212 | 10/03/2018 | Battery Module Printed Circuit Board Assembly System and Method | Johnson Controls Technology Company |
| 13PS095-FR | FR | Utility - EPPAT | 14761767.4 | 08/25/2014 | 3042212 | 10/03/2018 | Battery Module Printed Circuit Board Assembly System and Method | Johnson Controls Technology Company |
| 13PS095-GB | GB | Utility - EPPAT | 14761767.4 | 08/25/2014 | 3042212 | 10/03/2018 | Battery Module Printed Circuit Board Assembly System and Method | Johnson Controls Technology Company |
| 13PS095-US | US | Utility - ORG | 14230,915 | 03/31/2014 | 9716263 | 07/25/2017 | Battery Module Printed Circuit Board Assembly System and Method | Johnson Controls Technology Company |
| 13PS095-US2 | US | Utility - CON | 15/658,239 | 07/24/2017 | | | Battery Module Printed Circuit Board Assembly System and Method | Johnson Controls Technology Company |
| 13PS096-US | US | Utility - ORG | 14230,737 | 03/31/2014 | 9698403 | 07/04/2017 | High Current Interconnect System and Method for Use in a Battery Module | Johnson Controls Technology Company |
| 13PS097-CN | CN | Utility - NSPCT | 201480048648.4 | 09/04/2014 | | | Systems, Methods, and Devices for Pre-Charge Control of a Battery Module | Johnson Controls Technology Company |
| 13PS097-EP | EP | Utility - NSPCT | 14766864.4 | 09/04/2014 | | | Systems, Methods, and Devices for Pre-Charge Control of a Battery Module | Johnson Controls Technology Company |
| 13PS097-US | US | Utility - ORG | 14231,105 | 03/31/2014 | | | Systems, Methods, and Devices for Pre-Charge Control of a Battery Module | Johnson Controls Technology Company |

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| 13PS098-CN | CN | Utility - NSPCT | 201480048934.0 | 09/04/2014 | ZL 201480048934.0 | 10/12/2018 | Systems, Methods, and Devices for Constant Current Relay Control of a Battery Module | Johnson Controls Technology Company |
| 13PS098-EP | EP | Utility - NSPCT | 14766345.4 | 09/04/2014 | | | Systems, Methods, and Devices for Constant Current Relay Control of a Battery Module | Johnson Controls Technology Company |
| 13PS098-US | US | Utility - ORG | 14/231,092 | 03/31/2014 | 9825273 | 11/21/2017 | Systems, Methods, and Devices for Constant Current Relay Control of a Battery Module | Johnson Controls Technology Company |
| 13PS098-US2 | US | Utility - CON | 15/814,136 | 11/15/2017 | | | Battery Module Constant Current Relay Control Systems And Methods | Johnson Controls Technology Company |
| 13PS099-US | US | Utility - ORG | 14/230,603 | 03/31/2014 | 9722231 | 08/01/2017 | Bladed Fuse Connectors for use in a Vehicle Battery Module | Johnson Controls Technology Company |
| 13PS100-US | US | Utility - ORG | 14/230,678 | 03/31/2014 | 9440601 | 09/13/2016 | System for Providing Voltage Measurements of Battery Cells to a PCB within a Battery Module | Johnson Controls Technology Company |
| 13PS101-US | US | Utility - ORG | 14/230,749 | 03/31/2014 | 10103374 | 10/16/2018 | Battery Cell Interconnect With Stress Distribution Over a Geometric Form | Johnson Controls Technology Company |
| 13PS102-CN | CN | Utility - NSPCT | 201480048933.6 | 07/29/2014 | | | Bus Bar Link for Battery Cell Interconnections in a Battery Module | Johnson Controls Technology Company |
| 13PS102-EP | EP | Utility - NSPCT | 14752965.5 | 07/29/2014 | | | Bus Bar Link for Battery Cell Interconnections in a Battery Module | Johnson Controls Technology Company |

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| 13PS102-US | US | Utility - ORG | 14/230,827 | 03/31/2014 | | | 03/31/2014 | Bus Bar Link for Battery Cell Interconnections in a Battery Module | Johnson Controls Technology Company |
| 13PS103-CN | CN | Utility - NSPCT | 201480048651.6 | 08/12/2014 | ZL 201480048651.6 | | 04/20/2018 | Battery Module Lid System and Method | Johnson Controls Technology Company |
| 13PS103-DE | DE | Utility - EPPAT | 14758211.8 | 08/12/2014 | 602014033393.1 | | 10/03/2018 | Battery Module Lid System | Johnson Controls Technology Company |
| 13PS103-EP | EP | Utility - NSPCT | 14758211.8 | 08/12/2014 | 3042405 | | 10/03/2018 | Battery Module Lid System | Johnson Controls Technology Company |
| 13PS103-FR | FR | Utility - EPPAT | 14758211.8 | 08/12/2014 | 3042405 | | 10/03/2018 | Battery Module Lid System | Johnson Controls Technology Company |
| 13PS103-GB | GB | Utility - EPPAT | 14758211.8 | 08/12/2014 | 3042405 | | 10/03/2018 | Battery Module Lid System | Johnson Controls Technology Company |
| 13PS103-US | US | Utility - ORG | 14/231,246 | 03/31/2014 | 9831482 | | 11/28/2017 | Battery Module LID System and Method | Johnson Controls Technology Company |
| 13PS104-US | US | Utility - ORG | 14/231,239 | 03/31/2014 | 10044018 | | 08/07/2018 | Battery Module Lid Assembly System And Method Of Making The Same | Johnson Controls Technology Company |
| 13PS105-CN | CN | Utility - NSPCT | 201480048650.1 | 08/18/2014 | ZL 201480048650.1 | | 08/24/2018 | System and Method for Venting Pressurized Gas from a Battery Module | Johnson Controls Technology Company |
| 13PS105-DE | DE | Utility - EPPAT | 14756220.1 | 08/18/2014 | 602014033391.5 | | 10/03/2018 | System for Venting Pressurized Gas from a Battery Module | Johnson Controls Technology Company |
| 13PS105-FR | FR | Utility - EPPAT | 14756220.1 | 08/18/2014 | 3042404 | | 10/03/2018 | System for Venting Pressurized Gas from a Battery Module | Johnson Controls Technology Company |
| 13PS105-GB | GB | Utility - EPPAT | 14756220.1 | 08/18/2014 | 3042404 | | 10/03/2018 | System for Venting Pressurized Gas from a Battery Module | Johnson Controls Technology Company |

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| 13PS105-US | US | Utility - ORG | 14/230,925 | 03/31/2014 | 10211444 | 02/19/2019 | System and Method for Venting Pressurized Gas from a Battery Module | Johnson Controls Technology Company |
| 13PS106-CN | CN | Utility - NSPCT | 201480048659.2 | 09/04/2014 | | | Layered Battery Module System and Method of Assembly | Johnson Controls Technology Company |
| 13PS106-DE | DE | Utility - EPPAT | 14766865.1 | 09/04/2014 | 3042408 | 04/17/2019 | Layered Battery Module System and Method of Assembly | Johnson Controls Technology Company |
| 13PS106-EP | EP | Utility - NSPCT | 14766865.1 | 09/04/2014 | 3042408 | 04/17/2019 | Layered Battery Module System and Method of Assembly | Johnson Controls Technology Company |
| 13PS106-FR | FR | Utility - EPPAT | 14766865.1 | 09/04/2014 | 3042408 | 04/17/2019 | Layered Battery Module System and Method of Assembly | Johnson Controls Technology Company |
| 13PS106-GB | GB | Utility - EPPAT | 14766865.1 | 09/04/2014 | 3042408 | 04/17/2019 | Layered Battery Module System and Method of Assembly | Johnson Controls Technology Company |
| 13PS106-US | US | Utility - ORG | 14/230,387 | 03/31/2014 | 9711778 | 07/18/2017 | Layered Battery Module System and Method of Assembly | Johnson Controls Technology Company |
| 13PS106-US2 | US | Utility - DIV | 15/650,680 | 07/14/2017 | | | Layered Battery Module System And Method Of Assembly | Johnson Controls Technology Company |
| 13PS107-CN | CN | Utility - NSPCT | 201480048666.2 | 09/04/2014 | ZL 201480048666.2 | 07/31/2018 | System and Method for Establishing Connections of a Battery Module | Johnson Controls Technology Company |
| 13PS107-EP | EP | Utility - NSPCT | 14766625.9 | 09/04/2014 | | | System and Method for Establishing Connections of a Battery Module | Johnson Controls Technology Company |
| 13PS107-US | US | Utility - ORG | 14/231,013 | 03/31/2014 | 9660244 | 05/23/2017 | System and Method for Establishing Connections of a | Johnson Controls Technology Company |

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| 13PS107-US2 | US | Utility - CON | 15/276,470 | 09/26/2016 | | | | Battery Module | |
| | | | | | | | | System and Method for Establishing Connections of a Battery Module | Johnson Controls Technology Company |
| 14PS009-CN | CN | Utility - NSPCT | 201480055787.X | 12/22/2014 | | | | Combinatorial Chemistries for Matching Multiple Batteries | Johnson Controls Technology Company |
| 14PS009-DE | DE | Utility - EPPAT | 14825564.9 | 12/22/2014 | 3090458 | 02/27/2019 | | Combinatorial Chemistries for Matching Multiple Batteries | Johnson Controls Technology Company |
| 14PS009-EP | EP | Utility - NSPCT | 14825564.9 | 12/22/2014 | 3090458 | 02/27/2019 | | Combinatorial Chemistries for Matching Multiple Batteries | Johnson Controls Technology Company |
| 14PS009-FR | FR | Utility - EPPAT | 14825564.9 | 12/22/2014 | 3090458 | 02/27/2019 | | Combinatorial Chemistries for Matching Multiple Batteries | Johnson Controls Technology Company |
| 14PS009-GB | GB | Utility - EPPAT | 14825564.9 | 12/22/2014 | 3090458 | 02/27/2019 | | Combinatorial Chemistries for Matching Multiple Batteries | Johnson Controls Technology Company |
| 14PS009-US | US | Utility - ORG | 14/578,002 | 12/19/2014 | 10128528 | 11/13/2018 | | Combinatorial Chemistries for Matching Multiple Batteries | Johnson Controls Technology Company |
| 14PS011-WO | WO | Utility - ORG | PCT/US2019/018804 | 02/20/2019 | | | | Module Level Formation and Standloss Enabled Housing Design | Johnson Controls Technology Company |
| 14PS013-CN | CN | Utility - NSPCT | 201580056660.4 | 11/12/2015 | | | | Semi-Active Parallel Battery Configuration for an Vehicle System and Method | Johnson Controls Technology Company |
| 14PS013-EP | EP | Utility - NSPCT | 15805659.8 | 11/12/2015 | | | | Semi-Active Parallel Battery Configuration for a Vehicle System and Method | Johnson Controls Technology Company |

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| 14PS013-US | US | Utility - ORG | 14/938,664 | 11/11/2015 | 9969292 | | 05/15/2018 | Semi-Active Partial Parallel Battery Architecture For An Automotive Vehicle System And Methods | Johnson Controls Technology Company | | |
| 14PS013-US2 | US | Utility - CON | 15/978,969 | 05/14/2018 | | | | Semi-Active Partial Parallel Battery Architecture For An Automotive Vehicle Systems And Methods | Johnson Controls Technology Company | | |
| 14PS016-CN | CN | Utility - NSPCT | 201580044900.9 | 07/28/2015 | | | | Manifold Vent Channel For A Battery Module | Johnson Controls Technology Company | | |
| 14PS016-EP | EP | Utility - NSPCT | 15753241.7 | 07/28/2015 | | | | Manifold Vent Channel For a Battery Module | Johnson Controls Technology Company | | |
| 14PS016-US | US | Utility - ORG | 14/791,000 | 07/02/2015 | 9660237 | | 05/23/2017 | Manifold Vent Channel For A Battery Module | Johnson Controls Technology Company | | |
| 14PS018-CN | CN | Utility - NSPCT | 201580051428.1 | 08/25/2015 | | | | Overcharge Protection Assembly For A Battery Module | Johnson Controls Technology Company | | |
| 14PS018-EP | EP | Utility - NSPCT | 15767615.6 | 08/25/2015 | | | | Overcharge Protection For A Battery Module | Johnson Controls Technology Company | | |
| 14PS018-US | US | Utility - ORG | 14/794,530 | 07/08/2015 | 10008710 | | 06/26/2018 | Overcharge Protection Assembly For A Battery Module | Johnson Controls Technology Company | | |
| 14PS018-US2 | US | Utility - DIV | 16/017,384 | 06/25/2018 | | | | Overcharge Protection Assembly For A Battery Module | Johnson Controls Technology Company | | |
| 14PS023-CN | CN | Utility - NSPCT | 201580052801.5 | 06/15/2015 | | | | Battery Module Thermal Management Fluid Guide Assembly | Johnson Controls Technology Company | | |

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| 14PS023-DE | DE | Utility - EPPAT | 15738163.3 | 06/15/2015 | 3201966 | 05/01/2019 | Battery Module Thermal Management Fluid Guide Assembly | Johnson Controls Technology Company |
| 14PS023-EP | EP | Utility - NSPCT | 15738163.3 | 06/15/2015 | 3201966 | 05/01/2019 | Battery Module Thermal Management Fluid Guide Assembly | Johnson Controls Technology Company |
| 14PS023-FR | FR | Utility - EPPAT | 15738163.3 | 06/15/2015 | 3201966 | 05/01/2019 | Battery Module Thermal Management Fluid Guide Assembly | Johnson Controls Technology Company |
| 14PS023-GB | GB | Utility - EPPAT | 15738163.3 | 06/15/2015 | 3201966 | 05/01/2019 | Battery Module Thermal Management Fluid Guide Assembly | Johnson Controls Technology Company |
| 14PS023-US | US | Utility - ORG | 14/503,101 | 09/30/2014 | 9559393 | 01/31/2017 | Battery Module Thermal Management Fluid Guide Assembly | Johnson Controls Technology Company |
| 14PS024-MX | MX | Utility - NSPCT | MX/ai2016/016930 | 06/08/2015 | | | Methods for Purifying and Recycling Lead From Spent Lead-Acid Batteries | Johnson Controls Technology Company |
| 14PS024-US | US | Utility - ORG | 14/498,748 | 09/26/2014 | 9751067 | 09/05/2017 | Methods for Purifying and Recycling Lead From Spent Lead-Acid Batteries | Johnson Controls Technology Company |
| 14PS024-US2 | US | Utility - DIV | 15/671,857 | 08/08/2017 | | | Methods For Purifying And Recycling Lead From Spent Lead-Acid Batteries | Johnson Controls Technology Company |
| 14PS032-MX | MX | Utility - NSPCT | MX/ai2016/016931 | 06/08/2015 | | | Systems and Methods for Purifying and Recycling Lead from Spent Lead-Acid Batteries | Johnson Controls Technology Company |

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| 14PS032-US | US | Utility - ORG | 14/498,771 | 09/26/2014 | 9757702 | 09/12/2017 | Systems and Methods for Purifying and Recycling Lead from Spent Lead-Acid Batteries | Johnson Controls Technology Company |
| 14PS032-US2 | US | Utility - DIV | 15/674,028 | 08/10/2017 | 10122052 | 11/06/2018 | Systems And Methods For Purifying And Recycling Lead From Spent Lead-Acid Batteries | Johnson Controls Technology Company |
| 14PS035-CN | CN | Utility - NSPCT | 201580023372.9 | 04/22/2015 | | | Integrated Battery Management System And Method | Johnson Controls Technology Company |
| 14PS035-EP | EP | Utility - NSPCT | 15722612.7 | 04/22/2015 | | | Integrated Battery Management System And Method | Johnson Controls Technology Company |
| 14PS035-US | US | Utility - ORG | 14/266,604 | 04/30/2014 | 9431837 | 08/30/2016 | Integrated Battery Management System And Method | Johnson Controls Technology Company |
| 14PS036-CN | CN | Utility - NSPCT | 201580023033.0 | 04/22/2015 | | | Battery Construction for Integration of Battery Management System and Method (用于集成电池管理系统和方法的电池结构) | Johnson Controls Technology Company |
| 14PS036-EP | EP | Utility - NSPCT | 15722613.5 | 04/22/2015 | | | Battery Construction for Integration of Battery Management System and Method | Johnson Controls Technology Company |
| 14PS036-US | US | Utility - ORG | 14/266,620 | 04/30/2014 | 9437850 | 09/06/2016 | Battery Construction for Integration of Battery | Johnson Controls Technology Company |

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| | | | | | | | | | Management System and Method | |
| 14PS037-CN | CN | Utility - NSPCT | 201580022599.1 | 04/22/2015 | | | | | State of Charge Indicator Method and System | Johnson Controls Technology Company |
| 14PS037-EP | EP | Utility - NSPCT | 15723350.3 | 04/22/2015 | | | | | State of Charge Indicator Method and System | Johnson Controls Technology Company |
| 14PS037-US | US | Utility - ORG | 14/266,631 | 04/30/2014 | 9559536 | | 01/31/2017 | | State of Charge Indicator Method and System | Johnson Controls Technology Company |
| 14PS037-US2 | US | Utility - CON | 15/413,937 | 01/24/2017 | | | | | State of Charge Indicator Method and System | Johnson Controls Technology Company |
| 14PS038-CN | CN | Utility - NSPCT | 201580023019.0 | 04/22/2015 | | | | | Battery Sleep Mode Management Method and System | Johnson Controls Technology Company |
| 14PS038-EP | EP | Utility - NSPCT | 15723351.1 | 04/22/2015 | | | | | Battery Sleep Mode Management Method and System | Johnson Controls Technology Company |
| 14PS038-US | US | Utility - ORG | 14/266,587 | 04/30/2014 | 9692240 | | 06/27/2017 | | Battery Sleep Mode Management Method and System | Johnson Controls Technology Company |
| 14PS040-CN | CN | Utility - NSPCT | 201580024341.5 | 07/28/2015 | | | | | OVERCHARGE PROTECTION DEVICE FOR A BATTERY MODULE (用于电池模块的过充电保护装置) | Johnson Controls Technology Company |
| 14PS040-DE | DE | Utility - EPPAT | 15753242.5 | 07/28/2015 | 602015017534.4 | | 10/03/2018 | | Overcharge Protection Device for a Battery Module | Johnson Controls Technology Company |
| 14PS040-EP2 | EP | Utility - DIV | 18198024.4 | 07/28/2015 | | | | | Overcharge Protection Device for a Battery Module | Johnson Controls Technology Company |
| 14PS040-FR | FR | Utility - EPPAT | 15753242.5 | 07/28/2015 | 3175500 | | 10/03/2018 | | Overcharge Protection Device for a Battery Module | Johnson Controls Technology Company |

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| 14PS040-GB | GB | Utility - EPPAT | 15753242.5 | 07/28/2015 | 3175500 | 10/03/2018 | Overcharge Protection Device for a Battery Module | Johnson Controls Technology Company |
| 14PS040-US | US | Utility - ORG | 14/749,417 | 06/24/2015 | 9985271 | 05/29/2018 | Overcharge Protection Device For A Battery Module | Johnson Controls Technology Company |
| 14PS040-US2 | US | Utility - DIV | 15/908,600 | 02/28/2018 | | | Overcharge Protection Device For A Battery Module | Johnson Controls Technology Company |
| 14PS041-CN | CN | Utility - NSPCT | 201580003103.6 | 04/08/2015 | | | Integrated Battery Sensor For Multiple Battery Modules | Johnson Controls Technology Company |
| 14PS041-EP | EP | Utility - NSPCT | 15717769.2 | 04/08/2015 | | | Integrated Battery Sensor For Multiple Battery Modules | Johnson Controls Technology Company |
| 14PS041-US | US | Utility - ORG | 14/677,529 | 04/02/2015 | | | Integrated Battery Sensor For Multiple Battery Modules | Johnson Controls Technology Company |
| 14PS045-CN | CN | Utility - NSPCT | 201580047810.5 | 08/14/2015 | | | Battery Module With Restrained Battery Cells Utilizing A Heat Exchanger | Johnson Controls Technology Company |
| 14PS045-DE | DE | Utility - EPPAT | 15753857.0 | 08/14/2015 | 602015014633.6 | 08/08/2018 | Battery Module With Restrained Battery Cells Utilizing A Heat Exchanger | Johnson Controls Technology Company |
| 14PS045-FR | FR | Utility - EPPAT | 15753857.0 | 08/14/2015 | 3195402 | 08/08/2018 | Battery Module With Restrained Battery Cells Utilizing A Heat Exchanger | Johnson Controls Technology Company |
| 14PS045-GB | GB | Utility - EPPAT | 15753857.0 | 08/14/2015 | 3195402 | 08/08/2018 | Battery Module With Restrained Battery Cells Utilizing A Heat Exchanger | Johnson Controls Technology Company |
| 14PS045-US | US | Utility - ORG | 14/805,404 | 07/21/2015 | 10199695 | 02/05/2019 | Battery Module With Restrained Battery Cells | Johnson Controls Technology Company |

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| | | | | | | | | | Utilizing A Heat Exchanger | |
| 14PS061-CN | CN | Utility - NSPCT | 201580044300.2 | 08/18/2015 | | | | | Lead Frame for a Battery Module | Johnson Controls Technology Company |
| 14PS061-DE | DE | Utility - EPPAT | 15756307.3 | 08/18/2015 | 602015021393.9 | | 12/12/2018 | Lead Frame for a Battery Module Having Sacrificial Interconnects | Johnson Controls Technology Company | |
| 14PS061-FR | FR | Utility - EPPAT | 15756307.3 | 08/18/2015 | 3183763 | | 12/12/2018 | Lead Frame for a Battery Module Having Sacrificial Interconnects | Johnson Controls Technology Company | |
| 14PS061-GB | GB | Utility - EPPAT | 15756307.3 | 08/18/2015 | 3183763 | | 12/12/2018 | Lead Frame for a Battery Module Having Sacrificial Interconnects | Johnson Controls Technology Company | |
| 14PS061-US | US | Utility - ORG | 14/828,149 | 08/17/2015 | 9705121 | | 07/11/2017 | Lead Frame For A Battery Module | Johnson Controls Technology Company | |
| 14PS063-CN | CN | Utility - NSPCT | 201580052813.8 | 06/15/2015 | | | | Modular Approach for Advanced Battery Modules Having Different Electrical Characteristics | Johnson Controls Technology Company | |
| 14PS063-EP | EP | Utility - NSPCT | 15738164.1 | 06/15/2015 | | | | Modular Approach for Advanced Battery Modules Having Different Electrical Characteristics | Johnson Controls Technology Company | |
| 14PS063-US | US | Utility - ORG | 14/501,095 | 09/30/2014 | | | | Modular Approach for Advanced Battery Modules Having Different Electrical Characteristics | Johnson Controls Technology Company | |
| 14PS064-CN | CN | Utility - NSPCT | 201580052863.6 | 06/15/2015 | | | | Battery Module Active Thermal Management Features and Positioning | Johnson Controls Technology Company | |

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| 14PS064-EP | EP | Utility - NSPCT | 15738165.8 | 06/15/2015 | | | Battery Module Active Thermal Management Features and Positioning | Johnson Controls Technology Company |
| 14PS064-US | US | Utility - ORG | 14/502,723 | 09/30/2014 | | | Battery Module Active Thermal Management Features and Positioning | Johnson Controls Technology Company |
| 14PS065-CN | CN | Utility - NSPCT | 201580052785.X | 06/15/2015 | | | Battery Module Passive Thermal Management Features and Positioning | Johnson Controls Technology Company |
| 14PS065-EP | EP | Utility - NSPCT | 15738166.6 | 06/15/2015 | | | Battery Module Passive Thermal Management Features and Positioning | Johnson Controls Technology Company |
| 14PS065-US | US | Utility - ORG | 14/502,803 | 09/30/2014 | 9825343 | 11/21/2017 | Battery Module Passive Thermal Management Features and Positioning | Johnson Controls Technology Company |
| 14PS066-CN | CN | Utility - NSPCT | 201580057145.8 | 08/27/2015 | | | Lithium Ion Battery Module with Free Floating Prismatic Battery Cells | Johnson Controls Technology Company |
| 14PS066-EP | EP | Utility - NSPCT | 15767618.0 | 08/27/2015 | | | Lithium Ion Battery Module with Free Floating Prismatic Battery Cells | Johnson Controls Technology Company |
| 14PS066-US | US | Utility - ORG | 14/818,234 | 08/04/2015 | 10103367 | 10/16/2018 | Lithium Ion Battery Module with Free Floating Prismatic Battery Cells | Johnson Controls Technology Company |
| 14PS067-CN | CN | Utility - NSPCT | 201580052812.3 | 06/15/2015 | | | Battery Module Vent System and Method | Johnson Controls Technology Company |
| 14PS067-DE | DE | Utility - EPPAT | 15738167.4 | 06/15/2015 | 3201970 | 05/01/2019 | Battery Module Vent System and Method | Johnson Controls Technology Company |

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| 14PS067-EP | EP | Utility - NSPCT | 15738167.4 | 06/15/2015 | 3201970 | 05/01/2019 | Battery Module Vent System and Method | Johnson Controls Technology Company |
| 14PS067-FR | FR | Utility - EPPAT | 15738167.4 | 06/15/2015 | 3201970 | 05/01/2019 | Battery Module Vent System and Method | Johnson Controls Technology Company |
| 14PS067-GB | GB | Utility - EPPAT | 15738167.4 | 06/15/2015 | 3201970 | 05/01/2019 | Battery Module Vent System and Method | Johnson Controls Technology Company |
| 14PS067-US | US | Utility - ORG | 14/501,777 | 09/30/2014 | 9614210 | 04/04/2017 | Battery Module Vent System and Method | Johnson Controls Technology Company |
| 14PS068-CN | CN | Utility - NSPCT | 201580052862.1 | 06/22/2015 | | | Bus Bar Assembly Carrier | Johnson Controls Technology Company |
| 14PS068-EP | EP | Utility - NSPCT | 15739380.2 | 06/22/2015 | | | Bus Bar Assembly Carrier | Johnson Controls Technology Company |
| 14PS068-US | US | Utility - ORG | 14/501,906 | 09/30/2014 | 9520587 | 12/13/2016 | Bus Bar Assembly Carrier | Johnson Controls Technology Company |
| 14PS069-CN | CN | Utility - NSPCT | 201580057964.2 | 08/27/2015 | | | Free Floating Battery Cell Assembly Techniques For Lithium Ion Battery Module | Johnson Controls Technology Company |
| 14PS069-EP | EP | Utility - NSPCT | 15771312.4 | 08/27/2015 | | | Lithium Ion Battery Module Containing Free Floating Battery Cells and Process for Its Production | Johnson Controls Technology Company |
| 14PS069-US | US | Utility - ORG | 14/818,262 | 08/04/2015 | 10020534 | 07/10/2018 | Free Floating Battery Cell Assembly Techniques For Lithium Ion Battery Module | Johnson Controls Technology Company |
| 14PS069-US2 | US | Utility - DIV | 16/030,969 | 07/10/2018 | | | Free Floating Battery Cell Assembly Techniques For Lithium Ion Battery | Johnson Controls Technology Company |

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| 14PS071-US | US | Utility - ORG | 14/501,871 | 09/30/2014 | 10033022 | | 07/24/2018 | Battery Module Retention Structure | Johnson Controls Technology Company | |
| 14PS072-CN | CN | Utility - NSPCT | 201580057566.0 | 08/26/2015 | | | | System for Providing Structural Integrity of a Battery Module | Johnson Controls Technology Company | |
| 14PS072-EP | EP | Utility - NSPCT | 15775526.5 | 08/26/2015 | | | | System for Providing Structural Integrity of a Battery Module | Johnson Controls Technology Company | |
| 14PS072-US | US | Utility - ORG | 14/501,971 | 09/30/2014 | 9608245 | | 03/28/2017 | System for Providing Structural Integrity of a Battery Module | Johnson Controls Technology Company | |
| 14PS072-US2 | US | Utility - DIV | 15/470,294 | 03/27/2017 | | | | System for Providing Structural Integrity of a Battery Module | Johnson Controls Technology Company | |
| 14PS074-CN | CN | Utility - NSPCT | 201580056854.4 | 06/22/2015 | | | | Battery Module Bus Bar Connection Assembly | Johnson Controls Technology Company | |
| 14PS074-EP | EP | Utility - NSPCT | 15741658.7 | 06/22/2015 | | | | Battery Module Bus Bar Connection Assembly | Johnson Controls Technology Company | |
| 14PS074-US | US | Utility - ORG | 14/502,485 | 09/30/2014 | 9887409 | | 02/06/2018 | Battery Module Bus Bar Connection Assembly | Johnson Controls Technology Company | |
| 14PS075-CN | CN | Utility - NSPCT | 201580055208.6 | 10/13/2015 | | | | Cooling Strategy For Battery Systems | Johnson Controls Technology Company | |
| 14PS075-EP | EP | Utility - NSPCT | 15794669.0 | 10/13/2015 | | | | Cooling Strategy For Battery Systems | Johnson Controls Technology Company | |
| 14PS075-US | US | Utility - ORG | 14/788,223 | 06/30/2015 | 10099562 | | 10/16/2018 | Cooling Strategy For Battery Systems | Johnson Controls Technology Company | |
| 14PS075-US2 | US | Utility - CON | 16/160,369 | 10/15/2018 | | | | Cooling Strategy For Battery Systems | Johnson Controls Technology Company | |

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| 14PS076-CN | CN | Utility - NSPCT | 201580057057.8 | 06/22/2015 | | | | Battery System Bi-Stable Relay Control | Johnson Controls Technology Company |
| 14PS076-EP | EP | Utility - NSPCT | 15741659.5 | 06/22/2015 | | | | Battery System Bi-Stable Relay Control | Johnson Controls Technology Company |
| 14PS076-US | US | Utility - ORG | 14/502,158 | 09/30/2014 | | | | Battery System Bi-Stable Relay Control | Johnson Controls Technology Company |
| 14PS077-CN | CN | Utility - NSPCT | 201580056659.1 | 06/23/2015 | | | | Battery Module Short Circuit Protection | Johnson Controls Technology Company |
| 14PS077-EP | EP | Utility - NSPCT | 15741662.9 | 06/23/2015 | | | | Battery Module Short Circuit Protection | Johnson Controls Technology Company |
| 14PS077-US | US | Utility - ORG | 14/502,321 | 09/30/2014 | 10033213 | | 07/24/2018 | Battery Module Short Circuit Protection | Johnson Controls Technology Company |
| 14PS077-US2 | US | Utility - CON | 16/041,508 | 07/20/2018 | | | | Battery Module Short Circuit Protection | Johnson Controls Technology Company |
| 14PS078-CN | CN | Utility - NSPCT | 201580056666.1 | 08/27/2015 | | | | Integrated Connector Having Sense and Switching Conductors for A Relay Used In A Battery Module | Johnson Controls Technology Company |
| 14PS078-EP | EP | Utility - NSPCT | 15771311.6 | 08/27/2015 | | | | Integrated Connector Having Sense and Switching Conductors for A Relay Used In A Battery Module | Johnson Controls Technology Company |
| 14PS078-US | US | Utility - ORG | 14/502,732 | 09/30/2014 | 9947497 | | 04/17/2018 | Integrated Connector Having Sense and Switching Conductors for A Relay Used In A Battery Module | Johnson Controls Technology Company |

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| 14PS078-US2 | US | Utility - DIV | 15/913,436 | 03/06/2018 | | | | Integrated Connector Having Sense And Switching Conductors For A Relay Used In A Battery Module | Johnson Controls Technology Company |
| 14PS079-CN | CN | Utility - NSPCT | 201580064011.9 | 11/03/2015 | | | | Scalable Modular Design of 48-Volt Li-Ion Battery Management System | Johnson Controls Technology Company |
| 14PS079-EP | EP | Utility - NSPCT | 15857647.0 | 11/03/2015 | | | | Scalable Modular Design of a 48-volt Li-ion Battery Management System | Johnson Controls Technology Company |
| 14PS079-US | US | Utility - NSPCT | 15/524,190 | 11/03/2015 | | | | Scalable Modular Design of a 48-volt Li-ion Battery Management System | Johnson Controls Technology Company |
| 14PS081-CN | CN | Utility - NSPCT | 201580057895.5 | 06/23/2015 | | | | Battery Module Thermal Management Features for Internal Flow | Johnson Controls Technology Company |
| 14PS081-EP | EP | Utility - NSPCT | 15747260.6 | 06/23/2015 | | | | Battery Module Thermal Management Features for Internal Flow | Johnson Controls Technology Company |
| 14PS081-US | US | Utility - ORG | 14/502,876 | 09/30/2014 | | | | Battery Module Thermal Management Features for Internal Flow | Johnson Controls Technology Company |
| 14PS082-CN | CN | Utility - NSPCT | 201580057072.2 | 06/23/2015 | | | | Battery Module Compressed Cell Assembly | Johnson Controls Technology Company |
| 14PS082-EP | EP | Utility - NSPCT | 15745279.8 | 06/23/2015 | | | | Battery Module Compressed Cell Assembly | Johnson Controls Technology Company |

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| 14PS082-US | US | Utility - ORG | 14/501,241 | 09/30/2014 | 9911951 | 03/06/2018 | Battery Module Compressed Cell Assembly | Johnson Controls Technology Company |
| 14PS082-US2 | US | Utility - CON | 15/874,661 | 01/18/2018 | | | Battery Module Compressed Cell Assembly | Johnson Controls Technology Company |
| 14PS084-CN | CN | Utility - NSPCT | 201580054289.8 | 07/28/2015 | | | Systems and Methods for Lithium Titanate Oxide (LTO) Anode Electrodes for Lithium Ion Battery Cells | Johnson Controls Technology Company |
| 14PS084-EP | EP | Utility - NSPCT | 15753244.1 | 07/28/2015 | | | Systems and Methods for Lithium Titanate Oxide (LTO) Anode Electrodes for Lithium Ion Battery Cells | Johnson Controls Technology Company |
| 14PS085-CN | CN | Utility - NSPCT | 201580052311.5 | 08/27/2015 | | | Hinged Vent for Electrochemical Cell System and Method | Johnson Controls Technology Company |
| 14PS085-EP | EP | Utility - NSPCT | 15767617.2 | 08/27/2015 | | | Hinged Vent for Electrochemical Cell System and Method | Johnson Controls Technology Company |
| 14PS086-US | US | Utility - ORG | 14/586,111 | 12/30/2014 | 9670565 | 06/06/2017 | Systems and Methods for the Hydrometallurgical Recovery of Lead From Spent Lead-Acid Batteries and the Preparation of Lead Oxide for Use in New Lead-Acid Batteries | Johnson Controls Technology Company |
| 14PS092-DES/CN | CN | Design Registration - ORG | 201530082588.5 | 03/27/2015 | ZL 201530082588.5 | 02/17/2016 | Lithium Ion Battery Module | Johnson Controls Technology Company |

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| 14PS092-DES/EU | EM | Design Registration - ORG | 002655704 | 03/16/2015 | 002655704-0001 | 03/16/2015 | Lithium Ion Battery Module | Johnson Controls Technology Company |
| 14PS092-DES/US | US | Design - ORG | 29/503,932 | 09/30/2014 | D760159 | 06/28/2016 | Lithium Ion Battery Module | Johnson Controls Technology Company |
| 14PS093-DES/CN | CN | Design Registration - ORG | 201530082586.6 | 03/27/2015 | ZL 201530082586.6 | 03/02/2016 | Lithium Ion Battery Module | Johnson Controls Technology Company |
| 14PS093-DES/EU | EM | Design Registration - ORG | 002657528 | 03/17/2015 | 002657528-0001 | 03/17/2015 | Lithium Ion Battery Module | Johnson Controls Technology Company |
| 14PS093-DES/US | US | Design - ORG | 29/503,940 | 09/30/2014 | D760160 | 06/28/2016 | Lithium Ion Battery Module | Johnson Controls Technology Company |
| 14PS094-DES/CN | CN | Design Registration - ORG | 201530082587.0 | 03/27/2015 | ZL 201530082587.0 | 01/27/2016 | Lithium Ion Battery Module | Johnson Controls Technology Company |
| 14PS094-DES/EU | EM | Design Registration - ORG | 002658781 | 03/18/2015 | 002658781-0001 | 03/18/2015 | Lithium Ion Battery Module | Johnson Controls Technology Company |
| 14PS094-DES/US | US | Design - ORG | 29/503,943 | 09/30/2014 | D760161 | 06/28/2016 | Lithium Ion Battery Module | Johnson Controls Technology Company |
| 15FS001-CN | CN | Utility - NSPCT | 201580061477.3 | 10/29/2015 | | | Lithium Ion Battery Cell with Secondary Seal | Johnson Controls Technology Company |
| 15FS001-EP | EP | Utility - NSPCT | 15794723.5 | 10/29/2015 | | | Lithium Ion Battery Cell with Secondary Seal | Johnson Controls Technology Company |

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| 1SPS001-US | US | Utility - ORG | 14/634,635 | 02/27/2015 | 9634301 | 04/25/2017 | Lithium Ion Battery Cell with Secondary Seal | Johnson Controls Technology Company |
| 1SPS003-CN | CN | Utility - NSPCT | 201680004776.8 | 02/11/2016 | | | Battery Module Separator Plates | Johnson Controls Technology Company |
| 1SPS003-EP | EP | Utility - NSPCT | 16710349.8 | 02/11/2016 | | | Battery Module Separator Plates | Johnson Controls Technology Company |
| 1SPS003-US | US | Utility - ORG | 14/656,500 | 03/12/2015 | 10164296 | 12/11/2018 | Battery Module Separator Plates | Johnson Controls Technology Company |
| 1SPS004-CN | CN | Utility - NSPCT | 201680028034.9 | 02/12/2016 | | | Lithium-Ion Battery Module Comprising Expansion Accommodating Elements and Method for Manufacturing Comprising Heat Seal of Cover to Base of Housing | Johnson Controls Technology Company |
| 1SPS004-EP | EP | Utility - NSPCT | 16709619.7 | 02/12/2016 | | | Lithium-Ion Battery Module Comprising Expansion Accommodating Elements and Method for Manufacturing Comprising Heat Seal of Cover to Base of Housing | Johnson Controls Technology Company |
| 1SPS005-CN | CN | Utility - NSPCT | 201680029598.4 | 02/12/2016 | | | Sensor Hold Down Finger Of A Battery Module | Johnson Controls Technology Company |
| 1SPS005-DE | DE | Utility - EPPAT | 16711379.4 | 02/12/2016 | 3314679 | 04/10/2019 | Sensor Hold Down Finger of a Battery Module | Johnson Controls Technology Company |
| 1SPS005-EP | EP | Utility - NSPCT | 16711379.4 | 02/12/2016 | 3314679 | 04/10/2019 | Sensor Hold Down Finger of a Battery Module | Johnson Controls Technology Company |
| 1SPS005-FR | FR | Utility - EPPAT | 16711379.4 | 02/12/2016 | 3314679 | 04/10/2019 | Sensor Hold Down Finger of a Battery Module | Johnson Controls Technology Company |

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| 1SPS005-GB | GB | Utility - EPPAT | 16711379.4 | 02/12/2016 | 3314679 | 04/10/2019 | Sensor Hold Down Finger of a Battery Module | Johnson Controls Technology Company |
| 1SPS005-US | US | Utility - ORG | 14/754,240 | 06/29/2015 | 10147981 | 12/04/2018 | Sensor Hold Down Finger Of A Battery Module | Johnson Controls Technology Company |
| 1SPS008-US | US | Utility - ORG | 14/989,578 | 01/06/2016 | 10183588 | 01/22/2019 | Battery Module Lithium Plating Reduction | Johnson Controls Technology Company |
| 1SPS008-US2 | US | Utility - CON | 16/252,967 | 01/21/2019 | | | Battery Module Lithium Plating Reduction | Johnson Controls Technology Company |
| 1SPS008-WO | WO | Utility - ORG | PCT/US16/45026 | 08/01/2016 | | | Battery Module Lithium Plating Reduction | Johnson Controls Technology Company |
| 1SPS009-CN | CN | Utility - NSPCT | 201580065259.7 | 11/10/2015 | | | Battery Module Terminal System and Method | Johnson Controls Technology Company |
| 1SPS009-EP | EP | Utility - NSPCT | 15805656.4 | 11/10/2015 | | | Battery Module Terminal System and Method | Johnson Controls Technology Company |
| 1SPS009-US | US | Utility - ORG | 14/620,113 | 02/11/2015 | | | Battery Module Terminal System and Method | Johnson Controls Technology Company |
| 1SPS010-US | US | Utility - ORG | 14/709,061 | 05/11/2015 | | | Features For Preventing Short Circuit In A Battery Module | Johnson Controls Technology Company |
| 1SPS011-CN | CN | Utility - NSPCT | 201580054260.X | 08/27/2015 | | | Systems and Methods for Lithium Titanate Oxide (LTO) Anode Electrodes for Lithium Ion Battery Cells | Johnson Controls Technology Company |
| 1SPS011-EP | EP | Utility - NSPCT | 15767616.4 | 08/27/2015 | | | Systems and Methods for Lithium Titanate Oxide (LTO) Anode Electrodes for Lithium Ion Battery Cells | Johnson Controls Technology Company |

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| 1SPS021-CN | CN | Utility - NSPCT | 201580061276.3 | 11/19/2015 | | | | Simnsoidal Lap Welding Process for a Battery Module and Battery Module | Johnson Controls Technology Company |
| 1SPS021-EP | EP | Utility - NSPCT | 15813628.3 | 11/19/2015 | | | | Simnsoidal Lap Welding Process for a Battery Module and Battery Module | Johnson Controls Technology Company |
| 1SPS021-US | US | Utility - ORG | 14/631,664 | 02/25/2015 | 10195688 | | 02/05/2019 | Welding Process For A Battery Module | Johnson Controls Technology Company |
| 1SPS021-US2 | US | Utility - CON | 16/268,292 | 02/05/2019 | | | | Welding Process For A Battery Module | Johnson Controls Technology Company |
| 1SPS024-CN | CN | Utility - NSPCT | 201680003609.1 | 01/15/2016 | | | | Separate Welding Planes for a Battery Module | Johnson Controls Technology Company |
| 1SPS024-EP | EP | Utility - NSPCT | 16702629.3 | 01/15/2016 | | | | Separate Welding Planes for a Battery Module | Johnson Controls Technology Company |
| 1SPS024-US | US | Utility - ORG | 14/675,661 | 03/31/2015 | 9812693 | | 11/07/2017 | Separate Welding Planes for a Battery Module | Johnson Controls Technology Company |
| 1SPS025-CN | CN | Utility - NSPCT | 201680003883.9 | 01/15/2016 | | | | Battery Cell Separator | Johnson Controls Technology Company |
| 1SPS025-DE | DE | Utility - EPPAT | 16706273.6 | 01/15/2016 | 602016008451.1 | | 12/19/2018 | Battery Cell Separator | Johnson Controls Technology Company |
| 1SPS025-FR | FR | Utility - EPPAT | 16706273.6 | 01/15/2016 | 3243228 | | 12/19/2018 | Battery Cell Separator | Johnson Controls Technology Company |
| 1SPS025-GB | GB | Utility - EPPAT | 16706273.6 | 01/15/2016 | 3243228 | | 12/19/2018 | Battery Cell Separator | Johnson Controls Technology Company |
| 1SPS025-US | US | Utility - ORG | 14/664,552 | 03/20/2015 | 9722233 | | 08/01/2017 | Battery Cell Separator | Johnson Controls Technology Company |
| 1SPS026-US | US | Utility - ORG | 14/634,546 | 02/27/2015 | 9991501 | | 06/05/2018 | Vent Shield for a Battery Module | Johnson Controls Technology Company |
| 1SPS026-US2 | US | Utility - DIV | 15/997,507 | 06/04/2018 | | | | Vent Shield for a Battery Module | Johnson Controls Technology Company |

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| 1SPS027-CN | CN | Utility - NSPCT | 201680003878.8 | 01/16/2016 | | | 02/05/2019 | Biasing Features for a Battery Module | Johnson Controls Technology Company |
| 1SPS027-EP | EP | Utility - NSPCT | 16702630.1 | 01/16/2016 | | | | Biasing Features for a Battery Module | Johnson Controls Technology Company |
| 1SPS027-US | US | Utility - ORG | 14/675,618 | 03/31/2015 | 10199631 | | | Biasing Features for a Battery Module | Johnson Controls Technology Company |
| 1SPS027-US2 | US | Utility - DIV | 16/261,324 | 01/29/2019 | | | | Biasing Features For A Battery Module | Johnson Controls Technology Company |
| 1SPS029-CN | CN | Utility - NSPCT | 201580064898.1 | 12/03/2015 | | | | Snap-In Extensions and Guide Walls for Bus Bar Bridges of a Battery Module | Johnson Controls Technology Company |
| 1SPS029-EP | EP | Utility - NSPCT | 15816998.7 | 12/03/2015 | | | | Snap-In Extensions and Guide Walls for Bus Bar Bridges of a Battery Module | Johnson Controls Technology Company |
| 1SPS029-US | US | Utility - ORG | 14/704,614 | 05/05/2015 | | | | Snap-In Extensions and Guide Walls for Bus Bar Bridges of a Battery Module | Johnson Controls Technology Company |
| 1SPS031-CN | CN | Utility - NSPCT | 201680003794.4 | 01/16/2016 | | | | Battery Module Cooling Fins and Footings System | Johnson Controls Technology Company |
| 1SPS031-DE | DE | Utility - EPPAT | 16702631.9 | 01/16/2016 | 602016007838.4 | | 12/05/2018 | Battery Module Cooling Fins and Footings System | Johnson Controls Technology Company |
| 1SPS031-FR | FR | Utility - EPPAT | 16702631.9 | 01/16/2016 | 3243239 | | 12/05/2018 | Battery Module Cooling Fins and Footings System | Johnson Controls Technology Company |
| 1SPS031-GB | GB | Utility - EPPAT | 16702631.9 | 01/16/2016 | 3243239 | | 12/05/2018 | Battery Module Cooling Fins and Footings System | Johnson Controls Technology Company |
| 1SPS031-US | US | Utility - ORG | 14/634,236 | 02/27/2015 | 9620764 | | 04/11/2017 | Battery Module Cooling Fins and Footings System | Johnson Controls Technology Company |
| 1SPS032-CN | CN | Utility - NSPCT | 201680003917.4 | 01/16/2016 | | | | Battery Module Bus Bar Carrier Having Guide Extensions System and Method | Johnson Controls Technology Company |

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| 1SPS032-EP | EP | Utility - NSPCT | 16704091.4 | 01/16/2016 | | | Battery Module Bus Bar Carrier Having Guide Extensions System and Method | Johnson Controls Technology Company |
| 1SPS032-US | US | Utility - ORG | 14/634,516 | 02/27/2015 | | | Battery Module Bus Bar Carrier Having Guide Extensions System and Method | Johnson Controls Technology Company |
| 1SPS035-CN | CN | Utility - NSPCT | 201680025451.8 | 02/12/2016 | | | Sealing Patch For Electrolyte Fill Hole | Johnson Controls Technology Company |
| 1SPS035-EP | EP | Utility - NSPCT | 16718529.7 | 02/12/2016 | | | Sealing Patch For Electrolyte Fill Hole | Johnson Controls Technology Company |
| 1SPS035-US | US | Utility - ORG | 14/704,812 | 05/05/2015 | | | Sealing Patch For Electrolyte Fill Hole | Johnson Controls Technology Company |
| 1SPS037- DES/US | US | Design - ORG | 29/518,950 | 02/27/2015 | D773390 | 12/06/2016 | Lithium Ion Battery Cell Terminal with Secondary Seal | Johnson Controls Technology Company |
| 1SPS038- DES/US | US | Design - ORG | 29/518,954 | 02/27/2015 | D763192 | 08/09/2016 | Battery Cell Separator | Johnson Controls Technology Company |
| 1SPS039- DES/US | US | Design - ORG | 29/518,933 | 02/27/2015 | D806646 | 01/02/2018 | Battery Module Cooling Fins and Footings | Johnson Controls Technology Company |
| 1SPS042- DES/US | US | Design - ORG | 29/518,931 | 02/27/2015 | D772816 | 11/29/2016 | Battery Module Vent and Handle Configuration | Johnson Controls Technology Company |
| 1SPS050-BR | BR | Utility - NSPCT | 112017018616-0 | 02/18/2016 | | | Battery Test Report System and Method | Johnson Controls Technology Company |
| 1SPS050-CN | CN | Utility - NSPCT | 201680005169.3 | 02/18/2016 | | | Battery Test Report System and Method | Johnson Controls Technology Company |
| 1SPS050-EP | EP | Utility - NSPCT | 16712565.7 | 02/18/2016 | | | Battery Test Report System and Method | Johnson Controls Technology Company |
| 1SPS050-IN | IN | Utility - NSPCT | 201717031551 | 02/18/2016 | | | Battery Test Report System and Method | Johnson Controls Technology Company |
| 1SPS050-JP | JP | Utility - NSPCT | 2017-546171 | 02/18/2016 | 6293985 | 02/23/2018 | Battery Test Report System And Method | Johnson Controls Technology Company |

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| 1SPS050-JP2 | JP | Utility - DIV | 2018-023976 | 02/14/2018 | | | Battery Test Report System And Method | Johnson Controls Technology Company |
| 1SPS050-MX | MX | Utility - NSPCT | MX/a/2017/011160 | 02/18/2016 | | | Battery Test Report System and Method | Johnson Controls Technology Company |
| 1SPS050-US | US | Utility - ORG | 15/013,800 | 02/02/2016 | 9772383 | 09/26/2017 | Battery Test Report System and Method | Johnson Controls Technology Company |
| 1SPS050-US2 | US | Utility - CON | 15/714,779 | 09/25/2017 | | | Battery Test Report System and Method | Johnson Controls Technology Company |
| 1SPS051-BR | BR | Utility - NSPCT | 112017018495-8 | 02/18/2016 | | | Battery Test System With Camera | Johnson Controls Technology Company |
| 1SPS051-CN | CN | Utility - NSPCT | 201680005170.6 | 02/18/2016 | | | Battery Test System With Camera | Johnson Controls Technology Company |
| 1SPS051-EP | EP | Utility - NSPCT | 16713146.8 | 02/18/2016 | | | Battery Test System with Camera | Johnson Controls Technology Company |
| 1SPS051-IN | IN | Utility - NSPCT | 201717032086 | 02/18/2016 | | | Battery Test System With Camera | Johnson Controls Technology Company |
| 1SPS051-JP | JP | Utility - NSPCT | 2017-547465 | 02/18/2016 | | | Battery Test System With Camera | Johnson Controls Technology Company |
| 1SPS051-KR | KR | Utility - NSPCT | 10-2017-7027641 | 02/18/2016 | 10-1952723 | 02/21/2019 | Battery Test System with Camera | Johnson Controls Technology Company |
| 1SPS051-MX | MX | Utility - NSPCT | MX/a/2017/011523 | 02/18/2016 | | | Battery Test System with Camera | Johnson Controls Technology Company |
| 1SPS051-US | US | Utility - ORG | 15/013,794 | 02/02/2016 | | | Battery Test System with Camera | Johnson Controls Technology Company |
| 1SPS052-CN | CN | Utility - NSPCT | 201680024131.0 | 02/18/2016 | | | Adhesive Tape for Positioning Battery Cells in a Battery Module | Johnson Controls Technology Company |
| 1SPS052-EP | EP | Utility - NSPCT | 16713147.3 | 02/18/2016 | | | Adhesive Tape for Positioning Battery Cells in a Battery Module | Johnson Controls Technology Company |

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| 1SPS052-US | US | Utility - ORG | 14/815,415 | 07/31/2015 | | | Adhesive Tape for Positioning Battery Cells in a Battery Module | Johnson Controls Technology Company |
| 1SPS053-CN | CN | Utility - NSPCT | 201680025414.7 | 02/18/2016 | | | Cell to Heat Sink Thermal Adhesive | Johnson Controls Technology Company |
| 1SPS053-DE | DE | Utility - EPPAT | 16715647.0 | 02/18/2016 | 3284124 | 04/10/2019 | Cell to Heat Sink Thermal Adhesive | Johnson Controls Technology Company |
| 1SPS053-EP | EP | Utility - NSPCT | 16715647.0 | 02/18/2016 | 3284124 | 04/10/2019 | Cell to Heat Sink Thermal Adhesive | Johnson Controls Technology Company |
| 1SPS053-FR | FR | Utility - EPPAT | 16715647.0 | 02/18/2016 | 3284124 | 04/10/2019 | Cell to Heat Sink Thermal Adhesive | Johnson Controls Technology Company |
| 1SPS053-GB | GB | Utility - EPPAT | 16715647.0 | 02/18/2016 | 3284124 | 04/10/2019 | Cell to Heat Sink Thermal Adhesive | Johnson Controls Technology Company |
| 1SPS053-US | US | Utility - ORG | 14/815,447 | 07/31/2015 | | | Cell to Heat Sink Thermal Adhesive | Johnson Controls Technology Company |
| 1SPS054-CN | CN | Utility - NSPCT | 201680025388.8 | 02/18/2016 | | | Thermal Epoxy And Positioning Of Electrochemical Cells | Johnson Controls Technology Company |
| 1SPS054-EP | EP | Utility - NSPCT | 16713148.1 | 02/18/2016 | | | Thermal Epoxy And Positioning Of Electrochemical Cells | Johnson Controls Technology Company |
| 1SPS054-US | US | Utility - ORG | 14/815,515 | 07/31/2015 | | | Thermal Epoxy And Positioning Of Electrochemical Cells | Johnson Controls Technology Company |
| 1SPS055-CN | CN | Utility - NSPCT | 201680025465.X | 02/18/2016 | | | Flexible Ribs of a Bus Bar Carrier | Johnson Controls Technology Company |
| 1SPS055-DE | DE | Utility - EPPAT | 16721273.7 | 02/18/2016 | 3284126 | 04/10/2019 | Flexible Ribs of a Bus Bar Carrier | Johnson Controls Technology Company |
| 1SPS055-EP | EP | Utility - NSPCT | 16721273.7 | 02/18/2016 | 3284126 | 04/10/2019 | Flexible Ribs of a Bus Bar Carrier | Johnson Controls Technology Company |

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| 1SPS055-EP2 | EP | Utility - DIV | 19167870.5 | 02/18/2016 | | | Flexible Ribs of a Bus Bar Carrier | Johnson Controls Technology Company |
| 1SPS055-FR | FR | Utility - EPPAT | 16721273.7 | 02/18/2016 | 3284126 | 04/10/2019 | Flexible Ribs of a Bus Bar Carrier | Johnson Controls Technology Company |
| 1SPS055-GB | GB | Utility - EPPAT | 16721273.7 | 02/18/2016 | 3284126 | 04/10/2019 | Flexible Ribs of a Bus Bar Carrier | Johnson Controls Technology Company |
| 1SPS055-US | US | Utility - ORG | 147795,518 | 07/09/2015 | 9985265 | 05/29/2018 | Flexible Ribs of a Bus Bar Carrier | Johnson Controls Technology Company |
| 1SPS055-US2 | US | Utility - CON | 157991,984 | 05/29/2018 | | | Flexible Ribs of a Bus Bar Carrier | Johnson Controls Technology Company |
| 1SPS056-CN | CN | Utility - NSPCT | 201680025580.7 | 02/13/2016 | | | Welding Process For A Battery Module | Johnson Controls Technology Company |
| 1SPS056-EP | EP | Utility - NSPCT | 16712560.8 | 02/13/2016 | | | Welding Process For A Battery Module | Johnson Controls Technology Company |
| 1SPS056-US | US | Utility - ORG | 147843,570 | 09/02/2015 | 9917291 | 03/13/2018 | Welding Process For A Battery Module | Johnson Controls Technology Company |
| 1SPS056-US2 | US | Utility - DIV | 157908,598 | 02/28/2018 | | | Welding Process For A Battery Module | Johnson Controls Technology Company |
| 1SPS057-CN | CN | Utility - NSPCT | 201680031922.6 | 02/13/2016 | | | Welding Process for Battery Module Components | Johnson Controls Technology Company |
| 1SPS057-EP | EP | Utility - NSPCT | 16712561.6 | 02/13/2016 | | | Welding Process for Battery Module Components | Johnson Controls Technology Company |
| 1SPS057-US | US | Utility - ORG | 147872,049 | 09/30/2015 | 10062931 | 08/28/2018 | Welding Process for Battery Module Components | Johnson Controls Technology Company |
| 1SPS058-CN | CN | Utility - NSPCT | 201680029602.7 | 02/14/2016 | | | Connector Barrel For A Battery Module | Johnson Controls Technology Company |
| 1SPS058-EP | EP | Utility - NSPCT | 16711915.5 | 02/14/2016 | | | Connector Barrel For A Battery Module | Johnson Controls Technology Company |

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| 1SPS058-US | US | Utility - ORG | 14/850,728 | 09/10/2015 | 10249916 | 04/02/2019 | Connector Barrel For A Battery Module | Johnson Controls Technology Company |
| 1SPS058-US2 | US | Design - ORG | 29/683,626 | 03/14/2019 | | | Battery Module Connector Barrel | Johnson Controls Technology Company |
| 1SPS058-US3 | US | Utility - ClP | 16/353,529 | 03/14/2019 | | | Connector Barrel For A Battery Module | Johnson Controls Technology Company |
| 1SPS058-WO2 | WO | Utility - ORG | PCT/US2019/022277 | 03/14/2019 | | | Connector Barrel For A Battery Module | Johnson Controls Technology Company |
| 1SPS059-CN | CN | Utility - NSPCT | 201680029599.9 | 02/14/2016 | | | System and Method for a Reinforcement Column Within a Module Body | Johnson Controls Technology Company |
| 1SPS059-EP | EP | Utility - NSPCT | 16711916.3 | 02/14/2016 | | | Systems and Methods for a Reinforcement Column Within a Module Body | Johnson Controls Technology Company |
| 1SPS059-US | US | Utility - ORG | 14/815,372 | 07/31/2015 | | | System and Method for a Reinforcement Column Within a Module Body | Johnson Controls Technology Company |
| 1SPS060-US | US | Utility - ORG | 14/835,626 | 08/25/2015 | | | Welding Process For Sealing A Battery Module | Johnson Controls Technology Company |
| 1SPS061-CN | CN | Utility - NSPCT | 201680063717.8 | 08/17/2016 | | | Systems And Methods For Bonding Metal Parts To The Polymer Packaging Of A Battery Module | Johnson Controls Technology Company |
| 1SPS061-EP | EP | Utility - NSPCT | 16763125.8 | 08/17/2016 | | | Systems And Methods For Bonding Metal Parts To The Polymer Packaging Of A Battery Module | Johnson Controls Technology Company |

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| 1SPS061-JP | JP | Utility - NSPCT | 2018-542118 | 08/17/2016 | | | | Systems And Methods For Bonding Metal Parts To The Polymer Packaging Of A Battery Module | Johnson Controls Technology Company |
| 1SPS061-US | US | Utility - ORG | 15/226,646 | 08/02/2016 | 10243244 | 03/26/2019 | Systems And Methods For Bonding Metal Parts To The Polymer Packaging Of A Battery Module | Johnson Controls Technology Company | |
| 1SPS062-CN | CN | Utility - NSPCT | 201680038454.5 | 07/10/2016 | | | System and Method of Overmolded Terminal Posts of A Battery Module | Johnson Controls Technology Company | |
| 1SPS062-DE | DE | Utility - EPPAT | 16751048.6 | 07/10/2016 | 3323162 | 05/08/2019 | System and Method of Overmolded Terminal Posts of Battery Module | Johnson Controls Technology Company | |
| 1SPS062-EP | EP | Utility - NSPCT | 16751048.6 | 07/10/2016 | 3323162 | 05/08/2019 | System and Method of Overmolded Terminal Posts of Battery Module | Johnson Controls Technology Company | |
| 1SPS062-FR | FR | Utility - EPPAT | 16751048.6 | 07/10/2016 | 3323162 | 05/08/2019 | System and Method of Overmolded Terminal Posts of Battery Module | Johnson Controls Technology Company | |
| 1SPS062-GB | GB | Utility - EPPAT | 16751048.6 | 07/10/2016 | 3323162 | 05/08/2019 | System and Method of Overmolded Terminal Posts of Battery Module | Johnson Controls Technology Company | |
| 1SPS062-US | US | Utility - ORG | 15/158,321 | 05/18/2016 | 10177364 | 01/08/2019 | System And Method Of Overmolded Terminal Posts Of A Battery Module | Johnson Controls Technology Company | |
| 1SPS069-DES/US | US | Design - ORG | 29/528,996 | 06/02/2015 | D763193 | 08/09/2016 | Bus Bar Carrier for Lithium Ion Battery Module | Johnson Controls Technology Company | |

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| 1SPS070-DES/US | US | Design - ORG | 29/528,997 | 06/02/2015 | D765030 | 08/30/2016 | Design for Lithium Ion Battery Cell with Terminal Washers | Johnson Controls Technology Company |
| 1SPS070-DES/US2 | US | Design - CON | 29/574,010 | 08/11/2016 | D817278 | 05/08/2018 | Low Voltage Connector Barrel for Lithium Ion Battery Module | Johnson Controls Technology Company |
| 1SPS071-DES/US | US | Design - ORG | 29/529,110 | 06/03/2015 | D782409 | 03/28/2017 | Design for Lithium Ion Battery Cell with Terminal Washers | Johnson Controls Technology Company |
| 1SPS071-DES/US2 | US | Design - DIV | 29/598,626 | 03/27/2017 | | | Lithium Ion Battery Cell | Johnson Controls Technology Company |
| 1SPS076-US | US | Utility - ORG | 15/344,359 | 11/04/2016 | | | Optimization Of Cruising Voltage For Life And Fuel Economy Performance in Advanced Start-Stop Systems | Johnson Controls Technology Company |
| 1SPS079-CN | CN | Utility - NSPCT | 201680038996.2 | 06/30/2016 | | | Battery Systems and Methods for Bi-Directional Current Control | Johnson Controls Technology Company |
| 1SPS079-EP | EP | Utility - NSPCT | 16738977.4 | 06/30/2016 | | | Battery Systems and Methods for Bi-Directional Current Control | Johnson Controls Technology Company |
| 1SPS079-US | US | Utility - ORG | 15/189,741 | 06/22/2016 | 10076969 | 09/18/2018 | Battery Systems And Methods For Bi-Directional Current Control | Johnson Controls Technology Company |
| 1SPS087-CN | CN | Utility - NSPCT | 201680059281.5 | 02/18/2016 | | | Battery Test System For Predicting Battery Test Results | Johnson Controls Technology Company |
| 1SPS087-EP | EP | Utility - NSPCT | 16713149.9 | 02/18/2016 | | | Battery Test System For Predicting Battery Test Results | Johnson Controls Technology Company |
| 1SPS087-JP | JP | Utility - NSPCT | 2018-513371 | 02/18/2016 | | | Battery Test System For Predicting Battery Test Results | Johnson Controls Technology Company |

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| 15PS087-MX | MX | Utility - NSPCT | MX/ai/2018/004367 | 02/18/2016 | | | Battery Test System For Predicting Battery Test Results | Johnson Controls Technology Company |
| 15PS087-US | US | Utility - ORG | 14/884,585 | 10/15/2015 | 101911116 | 01/29/2019 | Battery Test System For Predicting Battery Test Results | Johnson Controls Technology Company |
| 15PS088-CN | CN | Utility - NSPCT | 201580061475.4 | 11/03/2015 | | | Modular Design of a 48-volt Li-ion Battery for Ease of Assembly and Disassembly | Johnson Controls Technology Company |
| 15PS088-EP | EP | Utility - NSPCT | 15856333.8 | 11/03/2015 | | | Modular Design of a 48-volt Li-ion Battery for Ease of Assembly and Disassembly | Johnson Controls Technology Company |
| 15PS088-US | US | Utility - NSPCT | 15/524,355 | 05/04/2017 | | | Modular Design Of A 48-Volt Li-Ion Battery For Ease Of Assembly And Disassembly | Johnson Controls Technology Company |
| 15PS089-CN | CN | Utility - NSPCT | 201580057589.1 | 09/25/2015 | | | High Energy Density Prismatic Battery Cell And Battery Module | Johnson Controls Technology Company |
| 15PS089-EP | EP | Utility - NSPCT | 15775577.8 | 09/25/2015 | | | High Energy Density Prismatic Battery Cell and Battery Module | Johnson Controls Technology Company |
| 15PS089-US | US | Utility - ORG | 14/864,396 | 09/24/2015 | | | Prismatic Battery Cell Energy Density for a Lithium Ion Battery Module | Johnson Controls Technology Company |
| 15PS091-CN | CN | Utility - NSPCT | 201680080413.2 | 08/01/2016 | | | Battery Temperature And Charge Adjustment System And Method | Johnson Controls Technology Company |
| 15PS091-EP | EP | Utility - NSPCT | 16762911.2 | 08/01/2016 | | | Battery Temperature And Charge Adjustment System And Method | Johnson Controls Technology Company |

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| 1SPS091-US | US | Utility - ORG | 15/166,060 | 05/26/2016 | | | Battery System Temperature and Charge Adjustment System and Method | Johnson Controls Technology Company |
| 1SPS092-US | US | Utility - ORG | 15/145,256 | 05/03/2016 | 100062933 | 08/28/2018 | Hydrometallurgical Electro-winning of Lead from Spent Lead-Acid Batteries | Johnson Controls Technology Company |
| 1SPS094-CN | CN | Utility - NSPCT | 201680080620.8 | 08/02/2016 | | | Integrated Battery Safety Interlock | Johnson Controls Technology Company |
| 1SPS094-EP | EP | Utility - NSPCT | 16762912.0 | 08/02/2016 | | | Integrated Battery Safety Interlock | Johnson Controls Technology Company |
| 1SPS094-US | US | Utility - ORG | 15/141,438 | 04/28/2016 | 10014700 | 07/03/2018 | Integrated Battery Safety Interlock | Johnson Controls Technology Company |
| 1SPS003-US | US | Utility - ORG | 15/238,459 | 08/16/2016 | | | Lead-Acid Battery Cover With Handle Retention | Johnson Controls Technology Company |
| 1SPS004-US | US | Utility - ORG | 15/176,954 | 06/08/2016 | 10181617 | 01/15/2019 | Patterned Crimp for Battery Collector Attachment | Johnson Controls Technology Company |
| 1SPS016-WO | WO | Utility - ORG | PCT/US17/67913 | 12/21/2017 | | | Valve Assembly for a Battery Cover | Johnson Controls Technology Company |
| 1SPS017-DES/US | US | Design - ORG | 29/573,999 | 08/11/2016 | | | Battery Handle Assembly Tab | Johnson Controls Technology Company |
| 1SPS017-DES/US2 | US | Design - DIV | 29/681,628 | 02/27/2019 | | | Battery Handle Assembly Tab | Johnson Controls Technology Company |
| 1SPS017-US | US | Utility - ORG | 15/234,327 | 08/11/2016 | | | Systems And Methods For A Flexible Battery Handle Assembly For Lead-Acid Batteries | Johnson Controls Technology Company |
| 1SPS018-WO | WO | Utility - ORG | PCT/US18/49180 | 08/31/2018 | | | Battery Specification Lookup and Aggregation Method | Johnson Controls Technology Company |

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| 16PS019-WO | WO | Utility - ORG | PCT/US18/56761 | 10/19/2018 | | | Advanced Battery Performance Evaluation for Consumer Messaging | Johnson Controls Technology Company |
| 16PS022-US | US | Utility - ORG | 15/210,635 | 07/14/2016 | | | Terminals of An Electrochemical Cell | Johnson Controls Technology Company |
| 16PS024-CN | CN | Utility - NSPCT | 201680063810.9 | 10/27/2016 | | | Hybrid Battery Control System Architecture Design Systems And Methods | Johnson Controls Technology Company |
| 16PS024-EP | EP | Utility - NSPCT | 16810510.4 | 10/27/2016 | | | Hybrid Battery Control System Architecture Design Systems And Methods | Johnson Controls Technology Company |
| 16PS024-IN | IN | Utility - NSPCT | 201817020649 | 10/27/2016 | | | Hybrid Battery Control System Architecture Design Systems And Methods | Johnson Controls Technology Company |
| 16PS024-JP | JP | Utility - NSPCT | 2018-542685 | 10/27/2016 | | | Hybrid Battery Control System Architecture Design Systems And Methods | Johnson Controls Technology Company |
| 16PS024-US | US | Utility - ORG | 15/253,428 | 08/31/2016 | | | Hybrid Battery Control System Architecture Design Systems And Methods | Johnson Controls Technology Company |
| 16PS025-CN | CN | Utility - NSPCT | 201680063718.2 | 10/28/2016 | | | Hybrid Battery Control System Architecture Systems And Methods | Johnson Controls Technology Company |
| 16PS025-EP | EP | Utility - NSPCT | 16810511.2 | 10/28/2016 | | | Hybrid Battery Control System Architecture Systems And Methods | Johnson Controls Technology Company |

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| 16PS025-IN | IN | Utility - NSPCT | 201817020646 | 10/28/2016 | | | | Hybrid Battery Control System Architecture Systems And Methods | Johnson Controls Technology Company |
| 16PS025-JP | JP | Utility - NSPCT | 2018-5442981 | 10/28/2016 | | | | Hybrid Battery Control System Architecture Systems And Methods | Johnson Controls Technology Company |
| 16PS025-US | US | Utility - ORG | 15/253,446 | 08/31/2016 | | | | Hybrid Battery Control System Architecture Systems And Methods | Johnson Controls Technology Company |
| 16PS026-CN | CN | Utility - NSPCT | 201680063673.9 | 10/28/2016 | | | | Integrated String Control Unit Systems And Methods | Johnson Controls Technology Company |
| 16PS026-EP | EP | Utility - NSPCT | 16805552.3 | 10/28/2016 | | | | Integrated String Control Unit Systems And Methods | Johnson Controls Technology Company |
| 16PS026-IN | IN | Utility - NSPCT | 201817020645 | 10/28/2016 | | | | Integrated String Control Unit Systems And Methods | Johnson Controls Technology Company |
| 16PS026-JP | JP | Utility - NSPCT | 2018-5442982 | 10/28/2016 | | | | Integrated String Control Unit Systems And Methods | Johnson Controls Technology Company |
| 16PS026-US | US | Utility - ORG | 15/253,463 | 08/31/2016 | 10148102 | 12/04/2018 | | Integrated String Control Unit Systems And Methods | Johnson Controls Technology Company |
| 16PS027-CN | CN | Utility - NSPCT | 201680063772.7 | 10/28/2016 | | | | String Control Unit Auto-Configuration And Fault Communication Systems And Methods | Johnson Controls Technology Company |

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| 16PS027-EP | EP | Utility - NSPCT | 16805553.1 | 10/28/2016 | | | | String Control Unit Auto-Configuration And Fault Communication Systems And Methods | Johnson Controls Technology Company |
| 16PS027-US | US | Utility - ORG | 15/253,489 | 08/31/2016 | 10069314 | 09/04/2018 | String Control Unit Auto-Configuration And Fault Communication Systems And Methods | Johnson Controls Technology Company | |
| 16PS028-CN | CN | Utility - NSPCT | 201680063773.1 | 10/28/2016 | | | Cell Control Unit Fault Detection Systems And Methods | Johnson Controls Technology Company | |
| 16PS028-EP | EP | Utility - NSPCT | 16805554.9 | 10/28/2016 | | | Cell Control Unit Fault Detection Systems And Methods | Johnson Controls Technology Company | |
| 16PS028-US | US | Utility - ORG | 15/253,484 | 08/31/2016 | | | Cell Control Unit Fault Detection Systems And Methods | Johnson Controls Technology Company | |
| 16PS029-CN | CN | Utility - NSPCT | 201680088758.2 | 10/28/2016 | | | Bi-Stable Relay | Johnson Controls Technology Company | |
| 16PS029-EP | EP | Utility - NSPCT | 16810108.7 | 10/28/2016 | | | Bi-Stable Relay | Johnson Controls Technology Company | |
| 16PS029-US | US | Utility - ORG | 15/253,181 | 08/31/2016 | | | Bi-Stable Relay | Johnson Controls Technology Company | |
| 16PS030-CN | CN | Utility - NSPCT | 201780054539.7 | 09/13/2017 | | | Isolation Barrier Fault Detection Circuit | Johnson Controls Technology Company | |
| 16PS030-EP | EP | Utility - NSPCT | 17780253.5 | 09/13/2017 | | | Isolation Barrier Fault Detection Circuit | Johnson Controls Technology Company | |
| 16PS030-US | US | Utility - ORG | 15/265,556 | 09/14/2016 | 10161981 | 12/25/2018 | Isolation Barrier Fault Detection Circuit | Johnson Controls Technology Company | |

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| 16PS031-CN | CN | Utility - NSPCT | 201780053787.X | 07/19/2017 | | | Battery Module Connector Barrel | Johnson Controls Technology Company |
| 16PS031-DES/US | US | Design - ORG | 29/576,504 | 09/02/2016 | | | Battery Module Connector Barrel | Johnson Controls Technology Company |
| 16PS031-EP | EP | Utility - NSPCT | 17745616.7 | 07/19/2017 | | | Battery Module Connector Barrel | Johnson Controls Technology Company |
| 16PS031-US | US | Utility - ORG | 15/256,258 | 09/02/2016 | | | Battery Module Connector Barrel | Johnson Controls Technology Company |
| 16PS032-WO | WO | Utility - ORG | PCT/US18/15426 | 01/26/2018 | | | Battery Grid | Johnson Controls Technology Company |
| 16PS033-CN | CN | Utility - NSPCT | 201780055778.4 | 07/19/2017 | | | Systems And Methods For Measuring Isolation Resistance | Johnson Controls Technology Company |
| 16PS033-EP | EP | Utility - NSPCT | 17752205.9 | 07/19/2017 | | | Systems And Methods For Measuring Isolation Resistance | Johnson Controls Technology Company |
| 16PS033-US | US | Utility - ORG | 15/265,580 | 09/14/2016 | | | Systems And Methods For Measuring Isolation Resistance | Johnson Controls Technology Company |
| 16PS034-CN | CN | Utility - NSPCT | 201780029389.4 | 05/16/2017 | | | Dual Energy Storage System And Starter Battery Module | Johnson Controls Technology Company |
| 16PS034-EP | EP | Utility - NSPCT | 17726078.3 | 05/16/2017 | | | Dual Energy Storage System And Starter Battery Module | Johnson Controls Technology Company |
| 16PS034-US | US | Utility - NSPCT | 16/301.315 | 05/16/2017 | | | Dual Energy Storage System And Starter Battery Module | Johnson Controls Technology Company |
| 16PS035-CN | CN | Utility - NSPCT | 201780055375.X | 07/19/2017 | | | System And Method For Battery Modules Having Terminal Block Assemblies With | Johnson Controls Technology Company |

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| | | | | | | | | | Drainage Channels | |
| 16PS035-EP | EP | Utility - NSPCT | 17746286.8 | 07/19/2017 | | | | | System And Method For Battery Modules Having Terminal Block Assemblies With Drainage Channels | Johnson Controls Technology Company |
| 16PS035-US | US | Utility - ORG | 15/263,065 | 09/12/2016 | | | | | System And Method For Battery Modules Having Terminal Block Assemblies With Drainage Channels | Johnson Controls Technology Company |
| 16PS039-WO | WO | Utility - ORG | PCT/US2018/040943 | 07/05/2018 | | | | | Single Piece Current Collector For Battery Cell | Johnson Controls Technology Company |
| 16PS040-CN | CN | Utility - NSPCT | 201780047387.8 | 07/31/2017 | | | | | Overcharge Protection Assembly For A Battery Cell | Johnson Controls Technology Company |
| 16PS040-EP | EP | Utility - NSPCT | 17751536.8 | 07/31/2017 | | | | | Overcharge Protection Assembly For A Battery Cell | Johnson Controls Technology Company |
| 16PS040-US | US | Utility - NSPCT | 16/312,859 | 07/31/2017 | | | | | Overcharge Protection Assembly For A Battery Cell | Johnson Controls Technology Company |
| 16PS041-CN | CN | Utility - NSPCT | 201780047370.2 | 08/01/2017 | | | | | Overcharge Protection Systems For Prismatic Lithium Ion Battery Cells With Biased Packaging | Johnson Controls Technology Company |
| 16PS041-US | US | Utility - NSPCT | 16/312,873 | 08/01/2017 | | | | | Overcharge Protection Systems For Prismatic Lithium Ion Battery Cells With Biased Packaging | Johnson Controls Technology Company |

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| 16PS042-CN | CN | Utility - NSPCT | 201780047376.X | 08/01/2017 | | | Overcharge Protection Systems Having Dual Spiral Disk Features For Prismatic Lithium Ion Battery Cells | Johnson Controls Technology Company |
| 16PS042-US | US | Utility - NSPCT | 16/312,879 | 08/01/2017 | | | Overcharge Protection Systems Having Dual Spiral Disk Features For Prismatic Lithium Ion Battery Cells | Johnson Controls Technology Company |
| 16PS043-CN | CN | Utility - NSPCT | 201780047639.7 | 07/31/2017 | | | Weldable Aluminum Terminal Pads Of An Electrochemical Cell | Johnson Controls Technology Company |
| 16PS043-EP | EP | Utility - NSPCT | 17751906.3 | 07/31/2017 | | | Weldable Aluminum Terminal Pads Of An Electrochemical Cell | Johnson Controls Technology Company |
| 16PS043-US | US | Utility - NSPCT | 16/312,889 | 07/31/2017 | | | Weldable Aluminum Terminal Pads Of An Electrochemical Cell | Johnson Controls Technology Company |
| 16PS048-CN | CN | Utility - ORG | 201610987137.X | 11/09/2016 | | | Battery Package (电池包) | Johnson Controls Technology Company |
| 16PS048-WO | WO | Utility - ORG | PCT/IB2017/056996 | 11/09/2017 | | | Battery Pack | Johnson Controls Technology Company |
| 16PS049-CN | CN | Utility - ORG | 201610987163.2 | 11/09/2016 | | | Battery Package with Ventilation Channel (具有排气通道的电池包) | Johnson Controls Technology Company |
| 16PS049-WO | WO | Utility - ORG | PCT/IB2017/056995 | 11/09/2017 | | | Battery Pack With Gas Discharging Passage | Johnson Controls Technology Company |
| 16PS050-CN | CN | Utility - ORG | 201610987139.9 | 11/09/2016 | | | Battery Package with Two End Plates (具有两个端 | Johnson Controls Technology Company |

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| | | | | | | | | | 板的电池包) | |
| 16PS050-WO | WO | Utility - ORG | PCT/IB2017/056994 | 11/09/2017 | | | | | Battery Package with Two End Plates | Johnson Controls Technology Company |
| 16PS051-CN | CN | Utility - ORG | 201610986905.X | 11/09/2016 | | | | | Battery Package with Its Housing Made by Two Different Materials (具有由两种材料制成的壳体的电池包) | Johnson Controls Technology Company |
| 16PS051-WO | WO | Utility - ORG | PCT/IB2017/056993 | 11/09/2017 | | | | | Battery Pack With Housing Made Of Two Materials | Johnson Controls Technology Company |
| 16PS053-WO | WO | Utility - ORG | PCT/US18/28664 | 04/20/2018 | | | | | Battery Electromechanical Switching Device Diagnostics System And Methods | Johnson Controls Technology Company |
| 16PS054-WO | WO | Utility - ORG | PCT/US2018/041141 | 07/06/2018 | | | | | Modular Housing For Battery Systems | Johnson Controls Technology Company |
| 16PS055-DES/US | US | Design - ORG | 29/577,844 | 09/15/2016 | D810683 | | 02/20/2018 | | Bus Bar Carrier for Lithium Ion Battery Module | Johnson Controls Technology Company |
| 16PS058-CN | CN | Utility - NSPCT | TBD | | | | | | State Of Charge Dependent Plating Estimation And Prevention | Johnson Controls Technology Company |
| 16PS058-EP | EP | Utility - NSPCT | 17785136.7 | 10/03/2017 | | | | | State Of Charge Dependent Plating Estimation And Prevention | Johnson Controls Technology Company |
| 16PS058-US | US | Utility - NSPCT | 16/338,994 | 10/03/2017 | | | | | State Of Charge Dependent Plating Estimation And Prevention | Johnson Controls Technology Company |
| 16PS058-WO | WO | Utility - ORG | PCT/US2017/054939 | 10/03/2017 | | | | | State Of Charge Dependent Plating Estimation And Prevention | Johnson Controls Technology Company |

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| 17PS001-CN | CN | Utility - NSPCT | TBD | | | | | Battery Model And Control Application Calibration Systems And Methods | Johnson Controls Technology Company |
| 17PS001-EP | EP | Utility - NSPCT | 17788072.1 | 10/12/2017 | | | | Battery Model And Control Application Calibration Systems And Methods | Johnson Controls Technology Company |
| 17PS001-US | US | Utility - NSPCT | 16/338,966 | 10/12/2017 | | | | Battery Model And Control Application Calibration Systems And Methods | Johnson Controls Technology Company |
| 17PS001-WO | WO | Utility - ORG | PCT/US2017/056367 | 10/12/2017 | | | | Battery Model And Control Application Calibration Systems And Methods | Johnson Controls Technology Company |
| 17PS002-WO | WO | Utility - ORG | PCT/US2018/054693 | 10/05/2018 | | | | Lithium Ion Battery | Johnson Controls Technology Company |
| 17PS004-CN | CN | Utility - NSPCT | TBD | | | | | Model Predictive Battery Power Limit Estimation Systems And Methods | Johnson Controls Technology Company |
| 17PS004-EP | EP | Utility - NSPCT | TBD | | | | | Model Predictive Battery Power Limit Estimation Systems And Methods | Johnson Controls Technology Company |
| 17PS004-US | US | Utility - NSPCT | TBD | | | | | Model Predictive Battery Power Limit Estimation Systems And Methods | Johnson Controls Technology Company |
| 17PS004-WO | WO | Utility - ORG | PCT/US2017/059380 | 10/31/2017 | | | | Model Predictive Battery Power Limit Estimation Systems And Methods | Johnson Controls Technology Company |
| 17PS017-WO | WO | Utility - ORG | PCT/US18/15461 | 01/26/2018 | | | | Battery Straps | Johnson Controls Technology Company |
| 17PS018-WO | WO | Utility - ORG | PCT/US18/15422 | 01/26/2018 | | | | Battery Paste and Electrolyte Compositions and Electrochemical Cell for Use Therewith | Johnson Controls Technology Company |

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| 17PS020-BR1 | BR | Design Registration - ORG | BR 302017 002882-9 | 07/12/2017 | BR3020170028829 | 05/15/2018 | Battery Case & Cover for Battery Case | Johnson Controls Technology Company |
| 17PS020-BR2 | BR | Design Registration - DIV | BR 3220180011948 | 07/12/2017 | | | Battery Case & Cover for Battery Case | Johnson Controls Technology Company |
| 17PS020-BR3 | BR | Design Registration - DIV | BR 3220180011956 | 07/12/2017 | | | Battery Case & Cover for Battery Case | Johnson Controls Technology Company |
| 17PS020- CA1 | CA | Design Registration - ORG | 176,016 | 07/19/2017 | 176016 | 02/05/2019 | Battery Case & Cover for Battery Case | Johnson Controls Technology Company |
| 17PS020- CA2 | CA | Design Registration - DIV | 181,102 | 07/19/2017 | 181102 | 02/05/2019 | Battery Case & Cover for Battery Case | Johnson Controls Technology Company |
| 17PS020- CA3 | CA | Design Registration - DIV | 181,101 | 07/19/2017 | 181101 | 02/05/2019 | Battery Case & Cover for Battery Case | Johnson Controls Technology Company |
| 17PS020- CA4 | CA | Design Registration - DIV | 181,103 | 07/19/2017 | 181103 | 02/05/2019 | Battery Case & Cover for Battery Case | Johnson Controls Technology Company |
| 17PS020-CN | CN | Design Registration - ORG | 201730311287.4 | 07/14/2017 | ZL 201730311287.4 | 11/16/2018 | Battery Case & Cover for Battery Case | Johnson Controls Technology Company |

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| 17PS020-EP | EM | Design Registration - ORG | 004070696 | 06/28/2017 | 4070696- 0001/4070696-0004 | 06/28/2017 | Battery Cases | Johnson Controls Technology Company |
| 17PS020-IN1 | IN | Design Registration - ORG | 296047 | 07/24/2017 | 296047 | 01/27/2017 | Battery Case and Cover (Flat Plate Optima) | Johnson Controls Technology Company |
| 17PS020-IN2 | IN | Design Registration - ORG | 296048 | 07/24/2017 | 296048 | 01/27/2017 | Battery Case and Cover | Johnson Controls Technology Company |
| 17PS020-IN3 | IN | Design Registration - ORG | 296049 | 07/24/2017 | 296049 | 07/24/2017 | Battery Case and Cover | Johnson Controls Technology Company |
| 17PS020-IN4 | IN | Design Registration - ORG | 296050 | 07/24/2017 | | | Battery Case and Cover | Johnson Controls Technology Company |
| 17PS020- KR1 | KR | Design Registration - ORG | 30-2017-0034585 | 07/26/2017 | 30-0957581 | 05/16/2018 | Battery Case (Flat Plate Optima) | Johnson Controls Technology Company |
| 17PS020- KR2 | KR | Design Registration - ORG | 30-2017-0034586 | 07/26/2017 | 30-0957582 | 05/16/2018 | Battery Case | Johnson Controls Technology Company |

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| 17PS020-KR3 | KR | Design Registration - ORG | 30-2017-0034587 | 07/26/2017 | 30-0957583 | 05/16/2018 | Battery Case | Johnson Controls Technology Company |
| 17PS020-KR4 | KR | Design Registration - ORG | 30-2017-0034588 | 07/26/2017 | 30-0957584 | 05/16/2018 | Battery Case | Johnson Controls Technology Company |
| 17PS020-MX1 | MX | Design Registration - ORG | MX/H/2017/002076 | 07/10/2017 | | | Battery Case & Cover for Battery Case (Flat Plate Optima) | Johnson Controls Technology Company |
| 17PS020-MX2 | MX | Design Registration - DIV | MX/H/2018/002659 | 09/06/2018 | | | Battery Case & Cover for Battery Case (Flat Plate Optima) | Johnson Controls Technology Company |
| 17PS020-MX3 | MX | Design Registration - DIV | MX/H/2018/002658 | 09/06/2018 | | | Battery Case & Cover for Battery Case (Flat Plate Optima) | Johnson Controls Technology Company |
| 17PS020-MX4 | MX | Design Registration - DIV | MX/H/2018/002657 | 09/06/2018 | | | Battery Case & Cover for Battery Case (Flat Plate Optima) | Johnson Controls Technology Company |
| 17PS020-US2 | US | Design - ORG | 29/592,243 | 01/27/2017 | D830965 | 10/16/2018 | Battery Case & Cover for Battery Case (Flat Plate Optima) | Johnson Controls Technology Company |
| 17PS020-US3 | US | Design - DIV | 29/648,893 | 05/24/2018 | | | Battery Case | Johnson Controls Technology Company |
| 17PS020-US4 | US | Design - DIV | 29/648,901 | 05/24/2018 | | | Cover for a Battery Case | Johnson Controls Technology Company |
| 17PS023-WO | WO | Utility - ORG | PCT/US2018/032393 | 05/11/2018 | | | Vent Plug For A Battery Module | Johnson Controls Technology Company |

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| 17PS025-CN | CN | Utility - NSPCT | TBD | | | | | Battery Module Parallel Switching Device Systems And Methods | Johnson Controls Technology Company |
| 17PS025-EP | EP | Utility - NSPCT | TBD | | | | | Battery Module Parallel Switching Device Systems And Methods | Johnson Controls Technology Company |
| 17PS025-US | US | Utility - NSPCT | 16/338,916 | 10/25/2017 | | | | Battery Module Parallel Switching Device Systems And Methods | Johnson Controls Technology Company |
| 17PS025-WO | WO | Utility - ORG | PCT/US2017/058353 | 10/25/2017 | | | | Battery Module Parallel Switching Device Systems And Methods | Johnson Controls Technology Company |
| 17PS027-WO | WO | Utility - ORG | PCT/US2018/062118 | 11/20/2018 | | | | Reversal Device For Li-Ion Cell Overcharge Protection | Johnson Controls Technology Company |
| 17PS028-WO | WO | Utility - ORG | PCT/US18/47991 | 08/24/2018 | | | | Bipolar Substrate Stress Relieving Feature | Johnson Controls Technology Company |
| 17PS029-WO | WO | Utility - ORG | PCT/US2018/054684 | 10/05/2018 | | | | Method For Bonding Thermoplastic Components In A Battery Module | Johnson Controls Technology Company |
| 17PS030-WO | WO | Utility - ORG | PCT/US2018/041130 | 07/06/2018 | | | | Lithium Ion Cell Pierce Degaussing | Johnson Controls Technology Company |
| 17PS033-WO | WO | Utility - ORG | PCT/US2018/062121 | 11/20/2018 | | | | Overcharge Protection Device With Uneven Terminal Pads | Johnson Controls Technology Company |
| 17PS039-WO | WO | Utility - ORG | PCT/US2018/036131 | 06/05/2018 | | | | Battery Shunt Implementation Systems And Methods | Johnson Controls Technology Company |
| 17PS040-WO | WO | Utility - ORG | PCT/US2018/057969 | 10/29/2018 | | | | Lithium-Ion Battery Cell And Module | Johnson Controls Technology Company |

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| 17PS044-WO | WO | Utility - ORG | PCT/US18/41882 | 07/12/2018 | | | Method for Determining Battery Pack Temperature and State of Charge | Johnson Controls Technology Company |
| 17PS046-CN | CN | Utility - NSPCT | 201780047600.5 | 08/01/2017 | | | Overcharge Protection Systems For Prismatic Lithium Ion Battery Cells Having Neutral Or Non-Conductive Packaging | Johnson Controls Technology Company |
| 17PS046-EP | EP | Utility - NSPCT | 17751552.5 | 08/01/2017 | | | Overcharge Protection Systems For Prismatic Lithium Ion Battery Cells Having Neutral Or Non-Conductive Packaging | Johnson Controls Technology Company |
| 17PS046-US | US | Utility - NSPCT | 16/316,473 | 08/01/2017 | | | Overcharge Protection Systems For Prismatic Lithium Ion Battery Cells Having Neutral Or Non-Conductive Packaging | Johnson Controls Technology Company |
| 17PS049-PRO | US | Prov - ORG | 62/678,338 | 05/31/2018 | | | Shape Memory Alloy Hermetic Seal In Lithium Ion Batteries | Johnson Controls Technology Company |
| 17PS055-WO | WO | Utility - ORG | PCT/US2019/016397 | 02/01/2019 | | | Battery Separator and Battery | Johnson Controls Technology Company |
| 18-0002-CA | CA | Design Registration - ORG | 180,713 | 04/05/2018 | | | Battery Tester and Docking Station | Johnson Controls Technology Company |

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| 18-0002-CA2 | CA | Design - ORG | 187023 | 04/16/2019 | | | User Interface for a Battery Tester | Johnson Controls Technology Company |
| 18-0002-CN | CN | Design Registration - ORG | 201830165169.1 | 04/20/2018 | ZL 201830165169.1 | 02/19/2019 | Battery Tester and Docking Station | Johnson Controls Technology Company |
| 18-0002-CN2 | CN | Design Registration - ORG | TBD | | | | User Interface for a Battery Tester | Johnson Controls Technology Company |
| 18-0002-ECD1 | EM | Design Registration - ORG | 005229705 | 04/11/2018 | 005229705-0001 | 04/11/2018 | Testing Instruments | Johnson Controls Technology Company |
| 18-0002-ECD2 | EM | Design Registration - ORG | 005230281 | 04/11/2018 | 005230281-0001 | 04/11/2018 | Battery Testers (Accessories for -) | Johnson Controls Technology Company |
| 18-0002-ECD3 | EM | Design Registration - ORG | TBD | | | | User Interface for a Battery Tester | Johnson Controls Technology Company |
| 18-0002-MX | MX | Design Registration - ORG | MX/H/2018/001055 | 04/10/2018 | | | Battery Tester and Docking Station | Johnson Controls Technology Company |

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| 18-0002-MX2 | MX | Design - ORG | MX/F/2019/001027 | 04/15/2019 | | | User Interface for a Battery Tester | Johnson Controls Technology Company |
| 18-0002-US | US | Design - ORG | 29/623,181 | 10/23/2017 | | | Battery Tester and Docking Station | Johnson Controls Technology Company |
| 18-0002-US2 | US | Design - ORG | 29/667,646 | 10/23/2018 | | | User Interface for a Battery Tester | Johnson Controls Technology Company |
| 18-0002-WO | WO | Utility - ORG | PCT/US18/57140 | 10/23/2018 | | | User Interface for a Battery Tester | Johnson Controls Technology Company |
| 18-0012-US3 | US | Prov - ORG | 62/737,188 | 09/27/2018 | | | Mounting Clip For Printed Circuit Board | Johnson Controls Technology Company |
| 18-0038-US | US | Utility - ORG | 16/179,571 | 11/02/2018 | | | Method to Evaluate Battery in Real Vehicle Environment | Johnson Controls Technology Company |
| 18-0099-CA | CA | Design Registration - ORG | 182,405 | 07/11/2018 | | | Battery Vent Adapter | Johnson Controls Technology Company |
| 18-0099-CN | CN | Design Registration - ORG | 201830299683.4 | 06/13/2018 | | | Battery Vent Adapter | Johnson Controls Technology Company |
| 18-0099-ECD | EM | Design Registration - ORG | 005503125 | 07/13/2018 | 005503125 | 07/13/2018 | Batteries (Accessories for -) | Johnson Controls Technology Company |

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| 18-0099-MX | MX | Design Registration - ORG | MX//2018/001813 | 06/14/2018 | | | Battery Vent Adapter | Johnson Controls Technology Company |
| 18-0099-US | US | Design - ORG | 29/634,239 | 01/19/2018 | | | Battery Vent Adapter | Johnson Controls Technology Company |
| 18-0128-PRO | US | Prov - ORG | 62/675,025 | 05/22/2018 | | | Vent For A Battery Module | Johnson Controls Technology Company |
| 18-0194-PRO | US | Prov - ORG | 62/803,014 | 02/08/2019 | | | Foam Vent Plug With Passage Having Breathable Media | Johnson Controls Technology Company |
| 18-0205-PRO | US | Prov - ORG | 62/803,008 | 02/08/2019 | | | Terminal Cover | Johnson Controls Technology Company |
| 18-0255-PRO | US | Prov - ORG | TBD | | | | 12v Li-ion battery | Johnson Controls Technology Company |
| 18-0255-US-DES | US | Design - ORG | 29/679,710 | 02/08/2019 | | | 12v Li-Ion Battery Housing | Johnson Controls Technology Company |
| 18-0295-PRO | US | Prov - ORG | 62/837028 | 04/22/2019 | | | Stress Relief Cuts for Column Bus Bars | Johnson Controls Technology Company |
| 18-0346-PRO | US | Prov - ORG | TBD | | | | Temperature Sensing Interface | Johnson Controls Technology Company |
| 18-0367-WO | WO | Utility - ORG | PCT/US2019/024996 | 03/29/2019 | | | Thermal Management System For A Battery Module | Johnson Controls Technology Company |
| 18-0430-PRO | US | Prov - ORG | 62/660,613 | 04/20/2018 | | | System and Method for Battery Selection | Johnson Controls Technology Company |
| 18-0430-WO | PCT | Utility - ORG | PCT/US19/28283 | 04/19/2019 | | | System and Method for Battery Selection | Johnson Controls Technology Company |
| 18-0507-PRO | US | Prov - ORG | 62/752,792 | 10/30/2018 | | | Solid-State Relay Dedicated Recirculation Path | Johnson Controls Technology Company |

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| 18-0543-PRO | US | Prov - ORG | 62/806,387 | 02/15/2019 | | | Systems And Methods | Johnson Controls Technology Company |
| 18-0762-PRO | US | Prov - ORG | 62/750,447 | 10/25/2018 | | | Temperature Sensor Welding Tab | Johnson Controls Technology Company |
| 18-0762-PRO2 | US | Prov - ORG | 62/752,169 | 10/29/2018 | | | Two-Way Battery Charge Maintainer | Johnson Controls Technology Company |
| 18-0762-PRO3 | US | Prov - ORG | 62/756,407 | 11/06/2018 | | | Two-Way Battery Charge Maintainer | Johnson Controls Technology Company |
| 19-0019-PRO | US | Prov - ORG | 62/759,969 | 11/12/2018 | | | Ball Mill Oxide Cooling System | Johnson Controls Technology Company |
| 19-0050-PRO | US | Prov - ORG | 62/750,723 | 10/25/2018 | | | Fatigue Life Prediction Of A 12V Lithium Ion Battery | Johnson Controls Technology Company |
| 19-0124-PRO | US | Prov - ORG | 62/798,290 | 01/29/2019 | | | Equivalent Circuit Model Generation for Batteries Using Non-Ideal Test Data | Johnson Controls Technology Company |
| 19-0260-PRO | US | Prov - ORG | 62/793,718 | 01/17/2019 | | | Plastic Cell Swelling Restraint Feature | Johnson Controls Technology Company |
| 19-0261-PRO | US | Prov - ORG | 62/793,727 | 01/17/2019 | | | Snap-in Heat Sink | Johnson Controls Technology Company |
| 19-0379-PRO | US | Prov - ORG | 62/825,590 | 03/28/2019 | | | Embedded Fuse Design in Lithium Ion Voltage and Temperature Sensing Component | Johnson Controls Technology Company |
| 3333-051 PCT/MX-1 | MX | Utility - NSPCT | MX2000PA12939 | 06/14/1999 | 248476 | | Alloy for Battery Grids | Johnson Controls Technology Company |
| 97FS001-EP-A DE | DE | Utility - EPPAT | 050770221 | 06/30/2000 | 60048262.6 | | Stamped Battery Grid Having Offset Horizontal Wires | Johnson Controls Technology Company |

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| 97PS001-EP-A FR | FR | Utility - EPPAT | 050770221 | 06/30/2000 | 1628354 | 09/18/2013 | Stamped Battery Grid Having Offset Horizontal Wires | Johnson Controls Technology Company |
| 97PS001-EP-A GB | GB | Utility - EPPAT | 050770221 | 06/30/2000 | 1628354 | 09/18/2013 | Stamped Battery Grid Having Offset Horizontal Wires | Johnson Controls Technology Company |
| 97PS001-EP-A IT | IT | Utility - EPPAT | 050770221 | 06/30/2000 | 1628354 | 09/18/2013 | Stamped Battery Grid Having Offset Horizontal Wires | Johnson Controls Technology Company |
| 97PS001-MX-1 | MX | Utility - ORG | MX/az2010/007449 | 06/30/2000 | 279005 | 07/09/1999 | Energy Management System for a Motor Vehicle Electrical System | Johnson Controls Technology Company |
| 99PS002-US | US | Utility - ORG | 09/351,418 | 07/09/1999 | 6274274 | 08/14/2001 | Modification of the Shape/Surface Finish of Battery Grid Wires to Improve Paste Adhesion | Johnson Controls Technology Company |
| 99PS002-US-A | US | Utility - CON | 09/898,660 | 07/02/2001 | 6921611 | 07/26/2005 | Method of Making a Battery | Johnson Controls Technology Company |
| 99PS002-US-B | US | Utility - CON | 11/086,525 | 03/22/2005 | 7799463 | 09/21/2010 | Method of Producing Battery Plates | Johnson Controls Technology Company |
| 99PS002-US-C | US | Utility - CON | 12/855,496 | 08/12/2010 | 8034488 | 10/11/2011 | Battery Grid | Johnson Controls Technology Company |
| 99PS002-US-E | US | Utility - CON | 13/290,789 | 11/07/2011 | 8252464 | 08/28/2012 | Method of Making a Battery Grid | Johnson Controls Technology Company |
| 99PS002-US-F | US | Utility - CON | 13/290,823 | 11/07/2011 | 8709664 | 04/29/2014 | Battery Grid | Johnson Controls Technology Company |
| J0559.3/US | US | Utility - DIV | 12/953,373 | 11/23/2010 | 8242772 | 08/14/2012 | Device for Measuring a Current Flowing in a Cable | Johnson Controls Technology Company |
| JCI-069-AU | AU | Utility - NSPCT | 2009267077 | 06/30/2009 | 2009267077 | 07/16/2015 | Battery Straps | Johnson Controls Technology Company |

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| JCI-069-BR | BR | Utility - NSPCT | PI0913651-7 | 06/30/2009 | | | | Battery Straps | Johnson Controls Technology Company |
| JCI-069-CA | CA | Utility - NSPCT | 2.726.853 | 06/30/2009 | 2726853 | | 02/26/2013 | Battery Straps | Johnson Controls Technology Company |
| JCI-069-CN | CN | Utility - NSPCT | 200980124487.1 | 12/27/2000 | | | | Battery Straps | Johnson Controls Technology Company |
| JCI-069-CN-DIV | CN | Utility - DIV | 201611095121.4 | 06/30/2009 | | | | Battery Straps | Johnson Controls Technology Company |
| JCI-069-DE | DE | Utility - EPPAT | 09774325.6 | 06/30/2009 | 602009039257.3 | | 06/15/2016 | Battery Straps | Johnson Controls Technology Company |
| JCI-069-FR | FR | Utility - EPPAT | 09774325.6 | 06/30/2009 | 2291875 | | 06/15/2016 | Battery Straps | Johnson Controls Technology Company |
| JCI-069-GB | GB | Utility - EPPAT | 09774325.6 | 06/30/2009 | 2291875 | | 06/15/2016 | Battery Straps | Johnson Controls Technology Company |
| JCI-069-IN | IN | Utility - NSPCT | 8593/DELNP/2010 | 06/30/2009 | | | | Battery Straps | Johnson Controls Technology Company |
| JCI-069-IT | IT | Utility - EPPAT | 09774325.6 | 06/30/2009 | 502016000091262 | | 06/15/2016 | Battery Straps | Johnson Controls Technology Company |
| JCI-069-JP-DIV-2 | JP | Utility - DIV | 2016-220193 | 12/18/2014 | | | | Battery Strap | Johnson Controls Technology Company |
| JCI-069-KR | KR | Utility - NSPCT | 1020117002374 | 06/30/2009 | | | | Battery Straps | Johnson Controls Technology Company |
| JCI-069-MX | MX | Utility - NSPCT | MX/A/2010/013673 | 06/30/2009 | 302185 | | 08/09/2012 | Battery Straps | Johnson Controls Technology Company |
| JCI-069-NZ | NZ | Utility - NSPCT | 589684 | 06/30/2009 | 589684 | | 03/04/2014 | Battery Straps | Johnson Controls Technology Company |
| JCI-069-RU | RU | Utility - NSPCT | 2011103250 | 06/30/2009 | 2519839 | | 04/17/2014 | Battery Straps | Johnson Controls Technology Company |

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| JCI-069-SG | SG | Utility - NSPCT | 201009375.5 | 06/30/2009 | | | Battery Straps | Johnson Controls Technology Company |
| JCI-069-SG-DIV | SG | Utility - DIV | 201109737-5 | 06/30/2009 | | | Battery Straps | Johnson Controls Technology Company |
| JCI-069-US | US | Utility - NSPCT | 12999,174 | 06/30/2009 | 9093689 | 07/28/2015 | Battery Straps | Johnson Controls Technology Company |
| JCI-084/AR | AR | Design Registration - ORG | MOD-078167 | 07/08/2008 | 78167 | 07/08/2008 | BATTERY | Johnson Controls Technology Company |
| JCI-084/BR | BR | Design Registration - ORG | DI6803273-0 | 07/09/2008 | DI6803273-0 | 03/09/2010 | Battery | Johnson Controls Technology Company |
| JCI-084/CA | CA | Design Registration - ORG | 126,655 | 06/30/2008 | 126655 | 09/02/2009 | Battery | Johnson Controls Technology Company |
| JCI-084/CH | CH | Design Registration - ORG | 135298 | 06/30/2008 | 135298 | 08/25/2008 | Battery | Johnson Controls Technology Company |
| JCI-084/EM CIP | EM | Design Registration - ORG | 000967195-0001 | 07/09/2008 | 000967195-0001 | 07/09/2008 | Battery Optima Redesign Battery 2 | Johnson Controls Technology Company |
| JCI-084/EM CON | EM | Design Registration - ORG | 000967419-0001 | 07/09/2008 | 000967419-0001 | 07/09/2008 | Battery Optima Redesign Battery 4 | Johnson Controls Technology Company |

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| JCI-084/EU-4 | EM | Design Registration - ORG | 000887682-0001 | 02/28/2008 | 000887682-0001 | 02/28/2008 | Battery | Johnson Controls Technology Company |
| JCI-084/JP | JP | Design Registration - ORG | 2009-016551 | 07/09/2008 | 1380229 | 01/15/2010 | Battery | Johnson Controls Technology Company |
| JCI-084/KR | KR | Design Registration - ORG | 29766/2008 | 07/09/2008 | 0558460 | 04/09/2010 | Battery | Johnson Controls Technology Company |
| JCI-084/MX | MX | Design Registration - ORG | MX/F/2008/001588 | 07/04/2008 | 30050 | 01/12/2010 | BATTERY | Johnson Controls Technology Company |
| JCI-084/NO | NO | Design Registration - ORG | 20080385 | 07/08/2008 | 081527 | 12/10/2008 | Battery | Johnson Controls Technology Company |
| JCI-084/NZ | NZ | Design Registration - ORG | 411012 | 07/09/2008 | 411012 | 10/16/2008 | BATTERY | Johnson Controls Technology Company |
| JCI-084/RU | RU | Design Registration - ORG | 2008502390 | 07/09/2008 | 72966 | 07/09/2008 | BATTERY | Johnson Controls Technology Company |

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| JCI-084/SG | SG | Design Registration - ORG | D2008/639/A | 07/08/2008 | D2008/639/A | 07/08/2009 | BATTERY | Johnson Controls Technology Company |
| JCI-084/TW | TW | Design Registration - ORG | 97303934U01 | 07/08/2008 | D137143 | 10/01/2010 | Battery | Johnson Controls Technology Company |
| JCI-084/US | US | Design - ORG | 29/302,068 | 01/09/2008 | D610089 | 02/16/2010 | Battery | Johnson Controls Technology Company |
| JCI-084/US CIP | US | Design - CIP | 29/320,867 | 07/07/2008 | D609178 | 02/02/2010 | Battery | Johnson Controls Technology Company |
| JCI-084/US CON | US | Design - CON | 29/320,414 | 06/26/2008 | D606939 | 12/29/2009 | Battery | Johnson Controls Technology Company |
| JCI-085 | US | Design - ORG | 29/302,070 | 01/09/2008 | D607406 | 01/05/2010 | Battery | Johnson Controls Technology Company |
| JCI-085/EU-4 | EM | Design Registration - ORG | 000887682-0003 | 02/28/2008 | 000887682-0003 | 02/28/2008 | Battery | Johnson Controls Technology Company |
| JCI-086 | US | Design - ORG | 29/302,069 | 01/09/2008 | D607405 | 01/05/2010 | Battery | Johnson Controls Technology Company |
| JCI-086/AR | AR | Design Registration - ORG | MOD-078175 | 07/10/2008 | 78.175 | 07/10/2008 | ALLOY FOR BATTERY GRID | Johnson Controls Technology Company |
| JCI-086/AR2 | AR | Design Registration - ORG | MOD-078168 | 07/08/2008 | 78168 | 07/08/2008 | ALLOY FOR BATTERY GRIDS | Johnson Controls Technology Company |

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| JCI-086/BR-1 | BR | Design Registration - ORG | DI6803287-0 | 07/09/2008 | DI6803287-0 | 03/09/2010 | Alloy for Battery Grids | Johnson Controls Technology Company |
| JCI-086/BR-2 | BR | Design Registration - ORG | DI6803272-2 | 07/09/2008 | DI6803272-2 | 03/09/2010 | Alloy for Battery Grids | Johnson Controls Technology Company |
| JCI-086/CA-1 | CA | Design Registration - ORG | 126,744 | 07/08/2008 | 126744 | 09/02/2009 | Alloy for Battery Grids | Johnson Controls Technology Company |
| JCI-086/CA-2 | CA | Design Registration - ORG | 126,774 | 07/08/2008 | 126774 | 09/02/2009 | Alloy for Battery Grids | Johnson Controls Technology Company |
| JCI-086/CH-1 | CH | Design Registration - ORG | 135299 | 07/04/2008 | 135299 | 08/25/2008 | Alloy for Battery Grids | Johnson Controls Technology Company |
| JCI-086/CH-2 | CH | Design Registration - ORG | 135345 | 07/09/2008 | 135345 | 09/09/2008 | Alloy for Battery Grids | Johnson Controls Technology Company |
| JCI-086/EMI | EM | Design Registration - ORG | 000967377-0001 | 07/09/2008 | 000967377-0001 | 07/09/2008 | Battery Optima Redesign Battery 1 | Johnson Controls Technology Company |

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| JCI-086/EM3 | EM | Design Registration - ORG | 000967393-0001 | 07/09/2008 | 000967393-0001 | 07/09/2008 | Battery Optima Redesign Battery 3 | Johnson Controls Technology Company |
| JCI-086/EM5 | EM | Design Registration - ORG | 000967179-0001 | 07/09/2008 | 000967179-0001 | 07/09/2008 | Alloy for Battery Grids - Optima Redesign | Johnson Controls Technology Company |
| JCI-086/EU-4 | EM | Design Registration - ORG | 000887682-0002 | 02/28/2008 | 000887682-0002 | 02/28/2008 | Battery | Johnson Controls Technology Company |
| JCI-086/JP-1 | JP | Design Registration - DIV | 2009-016552 | 08/12/2008 | 1380230 | 01/15/2010 | Battery | Johnson Controls Technology Company |
| JCI-086/JP-2 | JP | Design Registration - ORG | 2008-017711 | 07/09/2008 | 1362808 | 05/15/2009 | Battery | Johnson Controls Technology Company |
| JCI-086/KR-1 | KR | Design Registration - ORG | 28768/2008 | 07/09/2008 | 0556987 | 03/24/2010 | Battery | Johnson Controls Technology Company |
| JCI-086/KR-2 | KR | Design Registration - ORG | 29767/2008 | 07/09/2008 | 544463 | 10/30/2009 | Battery | Johnson Controls Technology Company |

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| JCI-086/MX | MX | Design Registration - ORG | MX/F/2008/001612 | 07/08/2008 | 30049 | 01/12/2010 | Battery | Johnson Controls Technology Company |
| JCI-086/NO | NO | Design Registration - ORG | 20080388 | 07/09/2008 | 081399 | 10/10/2008 | Battery | Johnson Controls Technology Company |
| JCI-086/NZ | NZ | Design Registration - ORG | 411016 | 07/09/2008 | 411016 | 10/16/2008 | BATTERY | Johnson Controls Technology Company |
| JCI-086/NZ2 | NZ | Design Registration - ORG | 411013 | 07/09/2008 | 411013 | 10/16/2008 | BATTERY | Johnson Controls Technology Company |
| JCI-086/SG | SG | Design Registration - ORG | D2008/642/B | 07/09/2008 | D2008/642/B | 07/09/2008 | BATTERY | Johnson Controls Technology Company |
| JCI-086/SG2 | SG | Design Registration - ORG | D2008/640/Z | 07/08/2008 | D2008/640/Z | 07/08/2008 | BATTERY | Johnson Controls Technology Company |
| JCI-086/TW- 1 | TW | Design Registration - ORG | 97303934 | 07/08/2008 | D137143 | 10/01/2010 | Battery | Johnson Controls Technology Company |

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| JCI-086/TW-2 | TW | Design Registration - ORG | 97303934U02 | 07/08/2008 | D137143 | 10/01/2010 | Battery | Johnson Controls Technology Company |
| JCI-086/TW-3 | TW | Design Registration - ORG | 97303934U03 | 07/09/2008 | D137143 | 10/01/2010 | Battery | Johnson Controls Technology Company |
| JCI-086/US-CIP-1 | US | Design - CIP | 29/320,869 | 07/07/2008 | D609179 | 02/02/2010 | Battery | Johnson Controls Technology Company |
| JCI-086/US-CIP-2 | US | Design - CIP | 29/320,870 | 07/07/2008 | D609631 | 02/09/2010 | Battery | Johnson Controls Technology Company |
| JCI-086/US-CON | US | Design - CON | 29/320,780 | 07/03/2008 | D621353 | 08/10/2010 | Battery | Johnson Controls Technology Company |
| JCI-087 | US | Design - ORG | 29/302,071 | 01/09/2008 | D606938 | 12/29/2009 | Battery Dust Cover | Johnson Controls Technology Company |
| JCI-087/EU-4 | EM | Design Registration - ORG | 000887682-0004 | 02/28/2008 | 000887682-0004 | 02/28/2008 | Battery | Johnson Controls Technology Company |
| JCI-088 | US | Design - ORG | 29/302,072 | 01/09/2008 | D607407 | 01/05/2010 | Battery | Johnson Controls Technology Company |
| JCI-088/EU-4 | EM | Design Registration - ORG | 000887682-0005 | 02/28/2008 | 000887682-0005 | 02/28/2008 | Battery | Johnson Controls Technology Company |
| JCI-109 BR | BR | Utility - ORG | P10915543-0 | 01/10/2011 | | | Reinforced Battery Separator | Johnson Controls Technology Company |
| JCI-109 CA | CA | Utility - ORG | 2,730,341 | 07/10/2009 | 2730341 | 07/10/2009 | Reinforced Battery Separator | Johnson Controls Technology Company |

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| JCI-109 CA DIV | CA | Utility - DIV | 2,829,590 | 07/10/2009 | 2829590 | 08/19/2014 | Reinforced Battery Separator | Johnson Controls Technology Company |
| JCI-109 CN | CN | Utility - ORG | 200980134354.2 | 07/10/2009 | ZL 200980134354.2 | 09/24/2014 | Reinforced Battery Separator | Johnson Controls Technology Company |
| JCI-109 CN DIV | CN | Utility - DIV | 201410409009.8 | 07/10/2009 | ZL 201410409009.8 | 01/23/2018 | Reinforced Battery Separator | Johnson Controls Technology Company |
| JCI-109 DE | DE | Utility - EPPAT | 09752015.9 | 07/10/2009 | 2313940 | 05/06/2013 | Reinforced Battery Separator | Johnson Controls Technology Company |
| JCI-109 FR | FR | Utility - EPPAT | 09752015.9 | 07/10/2009 | 2313940 | 05/06/2013 | Reinforced Battery Separator | Johnson Controls Technology Company |
| JCI-109 GB | GB | Utility - EPPAT | 09752015.9 | 07/10/2009 | 2313940 | 05/06/2013 | Reinforced Battery Separator | Johnson Controls Technology Company |
| JCI-109 IT | IT | Utility - EPPAT | 09752015.9 | 07/10/2009 | 2313940 | 05/06/2013 | Reinforced Battery Separator | Johnson Controls Technology Company |
| JCI-109 JP | JP | Utility - ORG | 2011-517655 | 07/10/2009 | 5504261 | 03/21/2014 | Reinforced Battery Separator | Johnson Controls Technology Company |
| JCI-109 MX | MX | Utility - ORG | MX/A/2011/000406 | 07/10/2009 | 311624 | 07/22/2013 | Reinforced Battery Separator | Johnson Controls Technology Company |
| JCI-109 US | US | Utility - NSPCT | 13/003,517 | 07/10/2009 | 9799871 | 10/24/2017 | Reinforced Battery Separator | Johnson Controls Technology Company |
| JCI-140-CN | CN | Utility - NSPCT | 200980158745.8 | 11/19/2009 | ZL 200980158745.8 | 11/25/2015 | Battery Electrode and Method for Manufacturing Same | Johnson Controls Technology Company |
| JCI-140-CN- DIV | CN | Utility - DIV | 201510662543.4 | 11/19/2009 | | | Battery Electrode and Method for Manufacturing Same | Johnson Controls Technology Company |
| JCI-140-EP | EP | Utility - NSPCT | 09764633.5 | 11/19/2009 | | | Battery Electrode and Method for Manufacturing Same | Johnson Controls Technology Company |

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| JCI-140-IN | IN | Utility - NSPCT | 6835/DELN/P/2011 | 07/09/2011 | | | Battery Electrode and Method for Manufacturing Same | Johnson Controls Technology Company |
| JCI-140-JP- DIV2 | JP | Utility - DIV | 2017-107379 | 11/19/2009 | | | Battery Electrode and Method for Manufacturing Same | Johnson Controls Technology Company |
| JCI-140-KR | KR | Utility - ORG | 1020117022449 | 11/19/2009 | 1018275280000 | 02/02/2018 | Battery Electrode and Method for Manufacturing Same | Johnson Controls Technology Company |
| JCI-140-US | US | Utility - NSPCT | 13/202,530 | 11/19/2009 | 8846252 | 09/30/2014 | Battery Electrode and Method for Manufacturing Same | Johnson Controls Technology Company |
| JCI-140-US- CON | US | Utility - CON | 14/466,651 | 08/22/2014 | 10044043 | 08/07/2018 | Fiber Scrim, Battery Electrode and Method for Manufacturing Same | Johnson Controls Technology Company |
| JCI-147 CN | CN | Utility - NSPCT | 200980125428.6 | 05/06/2009 | | | Improved Battery Charging Device and Method | Johnson Controls Technology Company |
| JCI-147 MX | MX | Utility - NSPCT | MX/A/2010/011937 | 05/06/2009 | 319019 | 04/03/2014 | Improved Battery Charging Device and Method | Johnson Controls Technology Company |
| JCI-147 US | US | Utility - NSPCT | 12/990,618 | 05/06/2009 | 9337684 | 05/10/2016 | Battery Charging Device and Method | Johnson Controls Technology Company |
| JCI-203 | MX | Design Registration - ORG | MX/F/2008/001589 | 07/04/2008 | 28511 | 06/22/2009 | BATTERY | Johnson Controls Technology Company |
| JCI-220 CN | CN | Utility - NSPCT | 201080010855.2 | 01/13/2010 | ZL201080010855.2 | 10/08/2014 | Spill Resistant Battery Cover and Vent Cover | Johnson Controls Technology Company |
| JCI-220 CN DIV | CN | Utility - DIV | 201410440118.6 | 01/13/2010 | ZL 201410440118.6 | 07/06/2018 | Spill Resistant Battery Cover and Vent Cover | Johnson Controls Technology Company |

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| JCI-220 DE | DE | Utility - EPPAT | 10700661.1 | 01/13/2010 | 2380222 | 02/07/2013 | Spill Resistant Battery Cover and Vent Cover | Johnson Controls Technology Company |
| JCI-220 FR | FR | Utility - EPPAT | 10700661.1 | 01/13/2010 | 2380222 | 02/07/2013 | Spill Resistant Battery Cover and Vent Cover | Johnson Controls Technology Company |
| JCI-220 GB | GB | Utility - EPPAT | 10700661.1 | 01/13/2010 | 2380222 | 02/07/2013 | Spill Resistant Battery Cover and Vent Cover | Johnson Controls Technology Company |
| JCI-220 IN | IN | Utility - NSPCT | 5929/DELNP/2011 | 01/13/2010 | | | Spill Resistant Battery Cover and Vent Cover | Johnson Controls Technology Company |
| JCI-220 IT | IT | Utility - EPPAT | 10700661.1 | 01/13/2010 | 2380222 | 02/07/2013 | Spill Resistant Battery Cover and Vent Cover | Johnson Controls Technology Company |
| JCI-220 JP | JP | Utility - NSPCT | 2011-546317 | 01/13/2010 | 5631895 | 10/17/2014 | Spill Resistant Battery Cover and Vent Cover | Johnson Controls Technology Company |
| JCI-220 JP/DIR | JP | Utility - DIV | 2014-207054 | 01/13/2010 | 625335 | 02/09/2018 | Spill Resistant Battery Cover and Vent Cover | Johnson Controls Technology Company |
| JCI-220 KR | KR | Utility - ORG | 1020117018769 | 01/13/2010 | 1017181150000 | 03/14/2017 | Spill Resistant Battery Cover and Vent Cover | Johnson Controls Technology Company |
| JCI-220 KR DIV | KR | Utility - DIV | 1020177007037 | 03/14/2017 | 1018156660000 | 12/29/2017 | Spill Resistant Battery Cover and Vent Cover | Johnson Controls Technology Company |
| JCI-220 MX | MX | Utility - NSPCT | MX/a/2011/007505 | 01/13/2010 | 307451 | 02/18/2013 | Spill Resistant Battery Cover and Vent Cover | Johnson Controls Technology Company |
| JCI-220 US | US | Utility - NSPCT | 13/144,414 | 01/13/2010 | 9620752 | 04/11/2017 | Spill Resistant Battery Cover and Vent Cover | Johnson Controls Technology Company |
| JCI-220 US2 | US | Utility - CON | 15/436,383 | 02/17/2017 | | | Spill Resistant Battery Cover and Vent Cover | Johnson Controls Technology Company |
| JCI-253 US | US | Utility - ORG | 13/522,793 | 01/20/2011 | 9379378 | 06/28/2016 | Electrode for Lead Acid Storage Battery | Johnson Controls Technology Company |
| JCI-253-US/D1 | US | Utility - DIV | 15/175,460 | 06/07/2016 | 10205157 | 02/12/2019 | Electrode for Lead Acid Storage Battery | Johnson Controls Technology Company |

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|-------------|----|---------------------------------|-----------------|------------|----------------|------------|---|---|
| JCI-259-CN | CN | Utility - NSPCT | 201080046964.X | 09/03/2010 | | | Secondary Battery with Improved Acid Destratification | Johnson Controls Technology Company |
| JCI-259-CN2 | CN | Utility - DIV | 201810331826.4 | 09/03/2010 | | | Secondary Battery with Improved Acid Destratification | Johnson Controls Technology Company |
| JCI-259-DE | DE | Utility - EPPAT | 10755269.7 | 09/03/2010 | 602010055279.9 | 11/21/2018 | Secondary Battery with Improved Acid Destratification | Johnson Controls Technology Company |
| JCI-259-FR | FR | Utility - EPPAT | 10755269.7 | 09/03/2010 | 2474059 | 11/21/2018 | Secondary Battery with Improved Acid Destratification | Johnson Controls Technology Company |
| JCI-259-GB | GB | Utility - EPPAT | 10755269.7 | 09/03/2010 | 2474059 | 11/21/2018 | Secondary Battery with Improved Acid Destratification | Johnson Controls Technology Company |
| JCI-259-US | US | Utility - NSPCT | 13/393,972 | 09/03/2010 | 10050254 | 08/14/2018 | Secondary Battery with Improved Destratification | Johnson Controls Technology Company |
| JCI-261 AU | AU | Design Registration - ORG | 11480/2009 | 04/29/2009 | 326525 | 06/22/2009 | Battery | Johnson Controls Technology Company |
| JCI-261 CA | CA | Design Registration - ORG | 130,622 | 04/29/2009 | 130622 | 02/16/2010 | Battery | Johnson Controls Technology Company |
| JCI-261 KR | KR | Design Registration - ORG | 18877/2009 | 04/30/2009 | 0594936 | 03/30/2011 | Battery | Johnson Controls Technology Company |
| JCI-261 MX | MX | Design Registration - ORG | MX/F/2009/00792 | 04/28/2009 | 31443 | 07/27/2010 | Battery | Johnson Controls Technology Company |

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|--------------|----|---------------------------|------------------|------------|---------|------------|-----------------------------|-------------------------------------|
| JCI-261 MX-1 | MX | Design Registration - DIV | MX/F/2010/001322 | 05/12/2010 | 32585 | 12/15/2010 | Battery | Johnson Controls Technology Company |
| JCI-261 MX-2 | MX | Design Registration - DIV | MX/F/2010/001323 | 05/13/2010 | 32586 | 12/15/2010 | Battery | Johnson Controls Technology Company |
| JCI-261 NO | NO | Design Registration - ORG | 20090227 | 04/27/2009 | 082004 | 10/19/2009 | Battery | Johnson Controls Technology Company |
| JCI-261 NZ | NZ | Design Registration - ORG | 412235 | 04/30/2009 | 412235 | 08/06/2009 | Battery | Johnson Controls Technology Company |
| JCI-261 RU | RU | Design Registration - ORG | 2009501182 | 04/30/2009 | 77830 | 03/16/2011 | Battery | Johnson Controls Technology Company |
| JCI-261 SG | SG | Design Registration - ORG | D2009/382/1 | 04/29/2009 | | | Battery | Johnson Controls Technology Company |
| JCI-261 US | US | Design - ORG | 29/327,181 | 10/31/2008 | D606940 | 12/29/2009 | Battery | Johnson Controls Technology Company |
| JCI-261 VE | VE | Design Registration - ORG | 778-09 | 04/30/2009 | | | Battery Cover Face Contours | Johnson Controls Technology Company |
| JCI-262 | US | Design - ORG | 29/327,182 | 10/31/2008 | D608283 | 01/19/2010 | Battery | Johnson Controls Technology Company |

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|------------|----|-----------------|------------------|------------|-------------------|------------|---|-------------------------------------|
| JCI-274-US | US | Utility - NSPCT | 13/395,273 | 09/10/2010 | | | Secondary Battery | Johnson Controls Technology Company |
| JCI-275 BR | BR | Utility - ORG | 1120120220675 | 08/31/2012 | | | Battery Grids and Methods for Manufacturing | Johnson Controls Technology Company |
| JCI-275 CN | CN | Utility - ORG | 201180022652.X | 03/02/2011 | ZL 201180022652.X | 11/25/2015 | Battery Grids and Methods for Manufacturing | Johnson Controls Technology Company |
| JCI-275 DE | DE | Utility - EPPAT | 11708954.0 | 03/02/2011 | 602011006795.8 | 04/10/2014 | Battery Grids and Methods for Manufacturing | Johnson Controls Technology Company |
| JCI-275 FR | FR | Utility - EPPAT | 11708954.0 | 03/02/2011 | 2543100 | 04/10/2014 | Battery Grids and Methods for Manufacturing | Johnson Controls Technology Company |
| JCI-275 GB | GB | Utility - EPPAT | 11708954.0 | 03/02/2011 | 2543100 | 04/10/2014 | Battery Grids and Methods for Manufacturing | Johnson Controls Technology Company |
| JCI-275 IN | IN | Utility - ORG | 7622/DELNP/2012 | 08/31/2012 | | | Battery Grids and Methods for Manufacturing | Johnson Controls Technology Company |
| JCI-275 IT | IT | Utility - EPPAT | 11708954.0 | 03/02/2011 | 2543100 | 04/10/2014 | Battery Grids and Methods for Manufacturing | Johnson Controls Technology Company |
| JCI-275 KR | KR | Utility - ORG | 1020127025910 | 03/03/2010 | 1017807590000 | 09/15/2017 | Battery Grids and Methods for Manufacturing | Johnson Controls Technology Company |
| JCI-275 MX | MX | Utility - ORG | MX/a/2012/009957 | 03/02/2011 | 337743 | 05/03/2016 | Battery Grids and Methods for Manufacturing | Johnson Controls Technology Company |
| JCI-275 US | US | Utility - NSPCT | 13/579,867 | 03/02/2011 | 9130232 | 09/08/2015 | Battery Grids and Methods for Manufacturing | Johnson Controls Technology Company |

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|----------------|----|-----------------|------------------|------------|-------------------|------------|--|-------------------------------------|
| JCI-300 | MX | Utility - ORG | PA/a/2001/004276 | 10/26/1999 | 218986 | 02/04/2004 | BATTERY GRID | Johnson Controls Technology Company |
| JCI-342-AT | AT | Utility - EPPAT | 067708040 | 05/22/2006 | 1900048 | 10/05/2011 | Battery Grid | Johnson Controls Technology Company |
| JCI-342-BR | BR | Utility - NSPCT | P10610757-5 | 05/22/2006 | P10610757-5 | 04/11/2017 | Battery Grid | Johnson Controls Technology Company |
| JCI-342-CN | CN | Utility - NSPCT | 200680017715.1 | 05/22/2006 | ZL200680017715.1 | 07/03/2013 | Battery Grid | Johnson Controls Technology Company |
| JCI-342-CN/DIV | CN | Utility - DIV | 201310254538.0 | 06/14/2006 | ZL 201310254538.0 | 02/01/2019 | Battery Grid | Johnson Controls Technology Company |
| JCI-342-DE | DE | Utility - EPPAT | 067708040 | 05/22/2006 | 1900048 | 10/05/2011 | Battery Grid | Johnson Controls Technology Company |
| JCI-342-ES | ES | Utility - EPPAT | 067708040 | 05/22/2006 | 1900048 | 10/05/2011 | Battery Grid | Johnson Controls Technology Company |
| JCI-342-FR | FR | Utility - EPPAT | 067708040 | 05/22/2006 | 1900048 | 10/05/2011 | Battery Grid | Johnson Controls Technology Company |
| JCI-342-IN | IN | Utility - NSPCT | 9565/DELNP/2007 | 05/22/2006 | | | LEAD ALLOY SURFACE COATING FOR POSITIVE LEAD-ACID BATTERY GRIDS AND METHODS OF USE | Johnson Controls Technology Company |
| JCI-342-IT | IT | Utility - EPPAT | 067708040 | 05/22/2006 | 1900048 | 10/05/2011 | Battery Grid | Johnson Controls Technology Company |
| JCI-342-JP | JP | Utility - NSPCT | 2008-513575 | 05/22/2006 | 5103385 | 10/05/2012 | Battery Grid | Johnson Controls Technology Company |
| JCI-342-KR | KR | Utility - NSPCT | 10-2007-7029828 | 05/22/2006 | 10-1317113 | 10/02/2013 | Battery Grid | Johnson Controls Technology Company |
| JCI-342-MX | MX | Utility - NSPCT | MX/A/2007/014594 | 05/22/2006 | 276499 | 06/10/2010 | Battery Grid | Johnson Controls Technology Company |

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|------------------|----|-----------------|-------------|------------|---------------|------------|--------------------------------------|-------------------------------------|
| JCI-342-PO | PL | Utility - EPPAT | 067708040 | 05/22/2006 | 1900048 | 10/05/2011 | Battery Grid | Johnson Controls Technology Company |
| JCI-342-TR | TR | Utility - EPPAT | 067708040 | 05/22/2006 | TR201112215T4 | 10/05/2011 | Battery Grid | Johnson Controls Technology Company |
| JCI-342-US | US | Utility - CON | 11/984,666 | 11/20/2007 | 7767347 | 08/03/2010 | Battery Grid | Johnson Controls Technology Company |
| JCI-342-US/CON-2 | US | Utility - CON | 12/823,803 | 06/25/2010 | 7955737 | 06/07/2011 | Battery Grid | Johnson Controls Technology Company |
| JCI-347 | US | Utility - ORG | 09/967,886 | 09/28/2001 | 6942945 | 09/13/2005 | Adapter System for a Battery | Johnson Controls Technology Company |
| JCI-358 | US | Utility - ORG | 09/351,701 | 07/12/1999 | 6277517 | 08/21/2001 | Electrolyte Baffling Plug | Johnson Controls Technology Company |
| JCI-367 | US | Utility - ORG | 10/271,355 | 10/15/2002 | 6828755 | 12/07/2004 | Battery System Module | Johnson Controls Technology Company |
| JCI-368 | US | Utility - ORG | 10/313,983 | 12/06/2002 | 6727708 | 04/27/2004 | Battery Monitoring System | Johnson Controls Technology Company |
| JCI-369 | US | Utility - ORG | 10/754,475 | 01/09/2004 | 7332243 | 02/19/2008 | Battery and Battery Container | Johnson Controls Technology Company |
| JCI-369 US/DIV | US | Utility - DIV | 12/007,657 | 01/14/2008 | 7833658 | 11/16/2010 | Battery and Battery Container | Johnson Controls Technology Company |
| JCI-370 | US | Utility - CON | 10/781,567 | 02/18/2004 | 7061246 | 06/13/2006 | Battery Monitoring System and Method | Johnson Controls Technology Company |
| JCI-373 US | US | Utility - ORG | 11/703,767 | 02/08/2007 | 7452235 | 11/18/2008 | Battery Connector | Johnson Controls Technology Company |
| JCI-373 US/CON | US | Utility - CON | 12/248,662 | 10/09/2008 | 7690943 | 04/06/2010 | Battery Connector | Johnson Controls Technology Company |
| JCI-411 BR | BR | Utility - NSPCT | P10415854-7 | 10/21/2004 | P10415854-7 | 11/18/2014 | Battery Paste Material and Method | Johnson Controls Technology Company |

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|------------|----|---------------------------------|------------------|------------|----------------|------------|--|---|
| JCI-411 CN | CN | Utility - NSPCT | 200480037336 | 10/21/2004 | ZL200480037336 | 08/12/2009 | Battery Paste Material and Method | Johnson Controls Technology Company |
| JCI-411 DE | DE | Utility - EPPAT | 047958202 | 10/21/2004 | 602004034733.7 | 10/05/2011 | Battery Paste Material and Method | Johnson Controls Technology Company |
| JCI-411 FR | FR | Utility - EPPAT | 047958202 | 10/21/2004 | 1680827 | 10/05/2011 | Battery Paste Material and Method | Johnson Controls Technology Company |
| JCI-411 GB | GB | Utility - EPPAT | 047958202 | 10/21/2004 | 1680827 | 10/05/2011 | Battery Paste Material and Method | Johnson Controls Technology Company |
| JCI-411 IN | IN | Utility - ORG | 2237/DELNP/2006 | 10/21/2004 | 257003 | 08/23/2013 | Battery Paste Material and Method | Johnson Controls Technology Company |
| JCI-411 IT | IT | Utility - EPPAT | 047958202 | 10/21/2004 | 1680827 | 10/05/2011 | Battery Paste Material and Method | Johnson Controls Technology Company |
| JCI-411 JP | JP | Utility - NSPCT | 2006-536747 | 10/21/2004 | 4505464 | 04/30/2010 | Battery Paste Material and Method | Johnson Controls Technology Company |
| JCI-411 KR | KR | Utility - NSPCT | 10-2006-7009737 | 10/21/2004 | 1008282750000 | 04/30/2008 | Battery Paste Material and Method | Johnson Controls Technology Company |
| JCI-411 MX | MX | Utility - NSPCT | PA/A/2006/004510 | 10/21/2004 | | | Battery Paste Material and Method | Johnson Controls Technology Company |
| JCI-411 US | US | Utility - NSPCT | 10/576,427 | 10/21/2004 | 7517370 | 04/14/2009 | Battery Paste Material and Method | Johnson Controls Technology Company |
| JCI-412 | AR | Design Registration - ORG | 79.210 | 04/29/2009 | 79.210 | 04/29/2009 | Battery Cover Cover Top/Side Terminals | Johnson Controls Technology Company |
| JCI-417 BR | BR | Design Registration - ORG | DI6901506-6 | 04/30/2009 | DI6901506-6 | 01/11/2011 | Battery | Johnson Controls Technology Company |

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| JCI-417 CH | CH | Design Registration - ORG | 136061 | 04/28/2009 | 136061 | 06/10/2009 | Battery | Johnson Controls Technology Company |
| JCI-417 CN | CN | Design Registration - ORG | 200930182634.3 | 04/28/2009 | ZL200930182634.3 | 10/27/2010 | Battery | Johnson Controls Technology Company |
| JCI-417 EU-A | EM | Design Registration - ORG | 001131791-0001 | 04/29/2009 | 001131791-0001 | 04/29/2009 | Battery | Johnson Controls Technology Company |
| JCI-417 EU-B | EM | Design Registration - ORG | 001131791-0002 | 04/29/2009 | 001131791-0002 | 04/29/2009 | Battery | Johnson Controls Technology Company |
| JCI-417 EU-C | EM | Design Registration - ORG | 001131791-0003 | 04/29/2009 | 001131791-0003 | 04/29/2009 | Battery | Johnson Controls Technology Company |
| JCI-417 IN | IN | Design Registration - ORG | 222688 | 04/30/2009 | 222688 | 10/31/2008 | Battery | Johnson Controls Technology Company |
| JCI-417 TW | TW | Design Registration - ORG | 98301908 | 04/28/2009 | D137144 | 10/01/2010 | Battery | Johnson Controls Technology Company |
| JCI-417 US | US | Design - ORG | 29/327,178 | 10/31/2008 | D600202 | 09/15/2009 | Battery | Johnson Controls Technology Company |

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| JCI-450 AU | AU | Utility - NSPCT | 2008223058 | 02/29/2008 | 2008223058 | 09/11/2014 | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-450 BR | BR | Utility - NSPCT | P108084815 | 02/29/2008 | P108084815 | 12/26/2018 | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-450 CA | CA | Utility - NSPCT | 2,679,909 | 02/29/2008 | 2679909 | 05/05/2015 | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-450 CN | CN | Utility - NSPCT | 200880013318.6 | 02/29/2008 | ZL 200880013318.6 | 07/01/2015 | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-450 CO | CO | Utility - NSPCT | 09-096416 | 02/29/2008 | | | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-450 DE | DE | Utility - EPPAT | 08731112.2 | 02/29/2008 | 2122725 | 03/13/2014 | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-450 FR | FR | Utility - EPPAT | 08731112.2 | 02/29/2008 | 2122725 | 03/13/2014 | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-450 GB | GB | Utility - EPPAT | 08731112.2 | 02/29/2008 | 2122725 | 03/13/2014 | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-450 HK | HK | Utility - ORG | 10104981.1 | 02/29/2008 | HK1139237 | 04/09/2014 | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-450 IN | IN | Utility - NSPCT | 6032/DELNP/2009 | 02/29/2008 | 293107 | 02/20/2018 | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-450 IT | IT | Utility - EPPAT | 08731112.2 | 02/29/2008 | 2122725 | 03/13/2014 | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-450 MX | MX | Utility - NSPCT | MX/A/2009/009385 | 02/29/2008 | 315735 | 11/26/2013 | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-450 RU | RU | Utility - NSPCT | 2009136499 | 02/29/2008 | 2477549 | 02/29/2008 | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-450 UA | UA | Utility - NSPCT | 2009010014 | 02/29/2008 | 99126 | 07/25/2012 | Negative Grid for Battery | Johnson Controls Technology Company |

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| JCI-450 US | US | Utility - NSPCT | 12/529,599 | 02/29/2008 | 9577266 | 02/21/2017 | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-496-BR | BR | Utility - ORG | 1120120258141 | 04/14/2011 | | | Battery, Battery Plate Assembly, and Method of Assembly | Johnson Controls Technology Company |
| JCI-496-CN | CN | Utility - NSPCT | 201180029967.7 | 04/14/2011 | ZL 201180029967.7 | 12/16/2015 | Battery, Battery Plate Assembly, and Method of Assembly | Johnson Controls Technology Company |
| JCI-496-CN- DIV | CN | Utility - DIV | 201510776863.2 | 04/14/2011 | ZL 201510776863.2 | 06/12/2018 | Battery and Battery Plate Assembly | Johnson Controls Technology Company |
| JCI-496-DE | DE | Utility - EPPAT | 11716740.3 | 04/14/2011 | 2559084 | 03/05/2014 | Battery, Battery Plate Assembly, and Method of Assembly | Johnson Controls Technology Company |
| JCI-496-FR | FR | Utility - EPPAT | 11716740.3 | 04/14/2011 | 2559084 | 03/05/2014 | Battery, Battery Plate Assembly, and Method of Assembly | Johnson Controls Technology Company |
| JCI-496-GB | GB | Utility - EPPAT | 11716740.3 | 04/14/2011 | 2559084 | 03/05/2014 | Battery, Battery Plate Assembly, and Method of Assembly | Johnson Controls Technology Company |
| JCI-496-IN | IN | Utility - ORG | 8802/DELNP/2012 | 04/14/2011 | | | Battery, Battery Plate Assembly, and Method of Assembly | Johnson Controls Technology Company |
| JCI-496-IT | IT | Utility - EPPAT | 11716740.3 | 04/14/2011 | 2559084 | 03/05/2014 | Battery, Battery Plate Assembly, and Method of Assembly | Johnson Controls Technology Company |
| JCI-496-KR | KR | Utility - ORG | 1020127029856 | 04/14/2011 | 1018314230000 | 02/14/2018 | Battery, Battery Plate Assembly, and Method of Assembly | Johnson Controls Technology Company |
| JCI-496-KR- DIV | KR | Utility - DIV | 1020187004467 | 04/14/2011 | 10-1951453 | 02/18/2019 | Battery, Battery Plate Assembly, and Method of Assembly | Johnson Controls Technology Company |

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| JCI-496-MX | MX | Utility - NSPCT | MX/ai/2012/011756 | 04/14/2011 | 324169 | 10/06/2014 | Battery, Battery Plate Assembly, and Method of Assembly | Johnson Controls Technology Company |
| JCI-496-US | US | Utility - ORG | 13/641,035 | 04/14/2011 | 8586248 | 11/19/2013 | Battery, Battery Plate Assembly, and Method of Assembly | Johnson Controls Technology Company |
| JCI-496-US-CON | US | Utility - CON | 14/068,511 | 10/31/2013 | 9748578 | 08/29/2017 | Battery and Battery Plate Assembly | Johnson Controls Technology Company |
| JCI-496-US-CON2 | US | Utility - CON | 15/661,741 | 07/27/2017 | | | Battery, Battery Plate Assembly, and Method of Assembly | Johnson Controls Technology Company |
| JCI-497 AR | AR | Design Registration - ORG | 81.346 | 09/10/2010 | 81.346 | 09/10/2010 | Battery | Johnson Controls Technology Company |
| JCI-497 AU | AU | Design Registration - ORG | 13961/2010 | 09/10/2010 | 333159 | 10/11/2010 | Battery | Johnson Controls Technology Company |
| JCI-497 CA | CA | Design Registration - ORG | 137,096 | 09/10/2010 | 137096 | 06/13/2011 | Battery | Johnson Controls Technology Company |
| JCI-497 IN | IN | Design Registration - ORG | 231380 | 09/13/2010 | 231380 | 09/13/2010 | Battery | Johnson Controls Technology Company |
| JCI-497 IR | WD | Design Registration - ORG | WIPO5524 | 09/10/2010 | DM/074499 | 09/10/2010 | Battery Design | Johnson Controls Technology Company |

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| JCI-497 JP | JP | Design Registration - ORG | 2010-21871 | 09/10/2010 | 1406918 | 01/07/2011 | Battery | Johnson Controls Technology Company |
| JCI-497 KR | KR | Design Registration - ORG | 30-2010-0040118 | 09/10/2010 | 30-0640190 | 04/06/2012 | Battery | Johnson Controls Technology Company |
| JCI-497 MX | MX | Design Registration - ORG | MX/I/2010/002377 | 09/09/2010 | 33744 | 06/24/2011 | Battery | Johnson Controls Technology Company |
| JCI-497 US | US | Design - ORG | 29/357,402 | 03/11/2010 | D625253 | 10/12/2010 | Battery | Johnson Controls Technology Company |
| JCI-497 US DIV | US | Design - DIV | 29/369,499 | 09/09/2010 | D635509 | 04/05/2011 | Battery | Johnson Controls Technology Company |
| JCI-498 | US | Design - ORG | 29/357,403 | 03/11/2010 | D625254 | 10/12/2010 | Battery | Johnson Controls Technology Company |
| JCI-498 BR | BR | Design Registration - ORG | PI7004521-6 | 09/13/2010 | DI 7004521-6 | 04/17/2012 | Monitoring Device and Method for Determining at Least One Characteristic Variables for the State of a Battery | Johnson Controls Technology Company |
| JCI-498 CN | CN | Design Registration - ORG | 201030517137.7 | 09/13/2010 | CN 301611426 S | 07/13/2011 | Battery | Johnson Controls Technology Company |

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| JCI-498 RU | RU | Design Registration - ORG | 2010502641 | 09/13/2010 | 81490 | 04/16/2012 | Negative Grid for Battery | Johnson Controls Technology Company |
| JCI-498 TW | TW | Design Registration - ORG | 99304569 | 09/10/2010 | D143925 | 11/21/2011 | Battery | Johnson Controls Technology Company |
| JCI-540 BR | BR | Utility - ORG | 1120120255320 | 10/05/2012 | | | Battery Handle and Cover with Pivot Cam Feature, and Method of Assembly | Johnson Controls Technology Company |
| JCI-540 CN | CN | Utility - ORG | 201180028728.X | 04/08/2011 | ZL 201180028728.X | 01/20/2016 | Battery Handle and Cover with Pivot Cam Feature, and Method of Assembly | Johnson Controls Technology Company |
| JCI-540 DE | DE | Utility - EPPAT | 11724833.6 | 04/08/2011 | 602011038904.1 | 06/21/2017 | Battery Handle and Cover with Pivot Cam Feature, and Method of Assembly | Johnson Controls Technology Company |
| JCI-540 EP2 | EP | Utility - DIV | 17176795.7 | 04/08/2011 | | | Battery Handle and Cover with Pivot Cam Feature, and Method of Assembly | Johnson Controls Technology Company |
| JCI-540 FR | FR | Utility - EPPAT | 11724833.6 | 04/08/2011 | 2556550 | 06/21/2017 | Battery Handle and Cover with Pivot Cam Feature, and Method of Assembly | Johnson Controls Technology Company |
| JCI-540 GB | GB | Utility - EPPAT | 11724833.6 | 04/08/2011 | 2556550 | 06/21/2017 | Battery Handle and Cover with Pivot Cam Feature, and Method of Assembly | Johnson Controls Technology Company |
| JCI-540 IN | IN | Utility - ORG | 8706/DELNP/2012 | 10/08/2012 | | | Battery Handle and Cover with Pivot Cam Feature, and | Johnson Controls Technology Company |

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| JCI-540 IT | IT | Utility - EPPAT | 11724833.6 | 04/08/2011 | 502017000104128 | 06/21/2017 | Method of Assembly | Johnson Controls Technology Company |
| JCI-540 KR | KR | Utility - ORG | 1020127028674 | 10/31/2012 | 1018156650000 | 12/29/2017 | Battery Handle and Cover with Pivot Cam Feature, and Method of Assembly | Johnson Controls Technology Company |
| JCI-540 MX | MX | Utility - ORG | MX/a/2012/011659 | 04/08/2011 | 337093 | 02/11/2016 | Battery Handle and Cover with Pivot Cam Feature, and Method of Assembly | Johnson Controls Technology Company |
| JCI-540 US | US | Utility - ORG | 13/639,185 | 04/08/2011 | 9203062 | 12/01/2015 | Battery Handle and Cover with Pivot Cam Feature, and Method of Assembly | Johnson Controls Technology Company |
| JCI-541 US | US | Utility - ORG | 13/644,417 | 10/04/2012 | 8993151 | 03/31/2015 | Battery Having Non-Planar Heat Seal with Extended Container Walls and Recessed Cover Walls | Johnson Controls Technology Company |
| JCI-542 US | US | Utility - ORG | 13/581,096 | 02/25/2011 | 9153802 | 10/06/2015 | Secondary Battery | Johnson Controls Technology Company |
| JCI-552 US | US | Utility - ORG | 13/571,220 | 08/09/2012 | 9472791 | 10/18/2016 | Battery System, Housing & Vehicle Including Battery System | Johnson Controls Technology Company |
| JCI-552-US-2 | US | Utility - DIV | 15/284,251 | 10/03/2016 | | | Battery System, Housing & Vehicle Including Battery System | Johnson Controls Technology Company |
| JCI-579-EP-DIVI/DE | DE | Utility - EPPAT | 10012006.2 | 05/22/2006 | 602006047692.2 | 01/06/2016 | Battery Grid | Johnson Controls Technology Company |

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| JCI-579-EP-DIV1/FR | FR | Utility - EPPAT | 10012006.2 | 05/22/2006 | 2287948 | 01/06/2016 | Battery Grid | Johnson Controls Technology Company |
| JCI-579-EP-DIV1/GB | GB | Utility - EPPAT | 10012006.2 | 05/22/2006 | 2287948 | 01/06/2016 | Battery Grid | Johnson Controls Technology Company |
| JCI-579-EP-DIV1/IT | IT | Utility - EPPAT | 10012006.2 | 05/22/2006 | 502016000032688 | 01/06/2016 | Battery Grid | Johnson Controls Technology Company |
| JCI-579-EP-DIV2 | EP | Utility - DIV | 16150021.0 | 05/22/2006 | EP3035422 | 02/20/2019 | Battery Grid | Johnson Controls Technology Company |
| JCI-579-EP-DIV2/DE | DE | Utility - EPPAT | 16150021.0 | 05/22/2006 | EP3035422 | 02/20/2019 | Battery Grid | Johnson Controls Technology Company |
| JCI-579-EP-DIV2/FR | FR | Utility - EPPAT | 16150021.0 | 05/22/2006 | EP3035422 | 02/20/2019 | Battery Grid | Johnson Controls Technology Company |
| JCI-579-EP-DIV2/GB | GB | Utility - EPPAT | 16150021.0 | 05/22/2006 | EP3035422 | 02/20/2019 | Battery Grid | Johnson Controls Technology Company |
| JCI-609 CN DIV | CN | Utility - NSPCT | 201280064554.7 | 10/31/2012 | ZL 201280064554.7 | 05/17/2017 | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 CN DIV | CN | Utility - DIV | 201611146716.8 | 10/31/2012 | | | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 CN DIV2 | CN | Utility - DIV | 201710338822.4 | 10/31/2012 | | | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 DE | DE | Utility - EPPAT | 12791023.0 | 10/31/2012 | 602012032322.1 | 05/10/2017 | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 EP DIV | EP | Utility - DIV | 17161020.7 | 10/31/2012 | | | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 FR | FR | Utility - EPPAT | 12791023.0 | 10/31/2012 | 2774199 | 05/10/2017 | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 GB | GB | Utility - EPPAT | 12791023.0 | 10/31/2012 | 2774199 | 05/10/2017 | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |

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|----------------|----|-----------------|------------------|------------|-----------------|------------|--|-------------------------------------|
| JCI-609 GC | GC | Utility - ORG | GC 2012-22595 | 11/03/2012 | GC0006904 | 01/14/2018 | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 GC DIV | GC | Utility - DIV | GC2012-33369 | 11/03/2012 | GC0007271 | 03/11/2018 | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 IN | IN | Utility - NSPCT | 3699/DEINP/2014 | 10/31/2012 | | | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 IN DIV | IN | Utility - DIV | 201918011490 | 10/31/2012 | | | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 IT | IT | Utility - EPPAT | 12791023.0 | 10/31/2012 | 502017000092312 | 05/10/2017 | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 JP | JP | Utility - NSPCT | 2014-541101 | 11/03/2011 | 6162136 | 06/23/2017 | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 JP DIV | JP | Utility - DIV | JP2017-116922 | 11/03/2011 | | | (Title is going to change) Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 KR | KR | Utility - NSPCT | 1020147015216 | 10/31/2012 | 1018784460000 | 07/09/2018 | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 KR DIV | KR | Utility - DIV | 1020187017902 | 06/22/2018 | | | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 MX | MX | Utility - NSPCT | MX/ar2014/005145 | 04/28/2014 | | | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 US | US | Utility - ORG | 13/663,872 | 10/30/2012 | 9761883 | 09/12/2017 | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-609 US DIV | US | Utility - DIV | 15/679,736 | 08/17/2017 | | | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |
| JCI-620 | US | Utility - CON | 13/097,643 | 04/29/2011 | 8974972 | 03/10/2015 | Battery Grid | Johnson Controls Technology Company |

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|------------|----|---------------------------------|-----------------|------------|-------------------|------------|-------------------------------------|---|
| JCI-631 BZ | BZ | Design Registration - ORG | 1324.14 | 12/17/2014 | 1324.14 | 12/17/2014 | LTH Battery Design - Broken Line | Johnson Controls Technology Company |
| JCI-631 CL | CL | Design Registration - ORG | 01042-2012 | 04/24/2012 | 7.133 | 01/19/2015 | LTH Battery Design - Broken Line | Johnson Controls Technology Company |
| JCI-631 CR | CR | Design Registration - ORG | 2012-0206 | 04/25/2012 | 650 | | LTH Battery Design - Broken Line | Johnson Controls Technology Company |
| JCI-631 DO | DO | Design Registration - ORG | D2012-0120 | 04/25/2012 | D20120120 | 02/01/2013 | LTH Battery Design - Broken Line | Johnson Controls Technology Company |
| JCI-631 GT | GT | Design Registration - ORG | S2012-000020 | 04/24/2012 | 860 | 07/05/2015 | LTH Battery Design - Broken Line | Johnson Controls Technology Company |
| JCI-631 HN | HN | Design Registration - ORG | 2012/857 | 04/24/2012 | 5419 | 07/17/2013 | LTH Battery Design - Broken Line | Johnson Controls Technology Company |
| JCI-631 HT | HT | Design Registration - ORG | 009HAI-DAI-REG6 | 04/24/2012 | 009 HAI-DAI-REG 6 | 04/24/2012 | LTH Battery Design - Broken Line | Johnson Controls Technology Company |

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|------------|----|---------------------------|------------------|------------|-----------------|------------|----------------------------------|-------------------------------------|
| JCI-631 JM | JM | Design Registration - ORG | D50/2012 | 04/25/2012 | 739 | 02/06/2013 | LTH Battery Design - Broken Line | Johnson Controls Technology Company |
| JCI-631 MX | MX | Design Registration - ORG | MX/I/2012/001204 | 04/17/2012 | 38613 | 05/03/2013 | LTH Battery Design - Broken Line | Johnson Controls Technology Company |
| JCI-631 NI | NI | Design Registration - ORG | 2012-000064 | 04/24/2012 | 2395RPI | 09/10/2015 | LTH Battery Design - Broken Line | Johnson Controls Technology Company |
| JCI-631 PA | PA | Design Registration - ORG | 153546 | 04/23/2012 | 89669 | 04/23/2012 | LTH Battery Design - Broken Line | Johnson Controls Technology Company |
| JCI-631 SV | SV | Design Registration - ORG | 20 12004189 | 04/25/2012 | 129 Book 4 | 01/07/2013 | LTH Battery Design - Broken Line | Johnson Controls Technology Company |
| JCI-631 TT | TT | Design Registration - ORG | TT/D/2012/00007 | 04/17/2012 | TT/D/2012/00017 | 11/15/2012 | LTH Battery Design - Broken Line | Johnson Controls Technology Company |
| JCI-631 US | US | Design - ORG | 29/404,783 | 10/25/2011 | D660232 | 05/22/2012 | LTH Battery Design - Broken Line | Johnson Controls Technology Company |
| JCI-631 UY | UY | Design Registration - ORG | 4152 | 04/20/2012 | 4152 | 05/14/2013 | LTH Battery Design - Broken Line | Johnson Controls Technology Company |

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|------------|----|---------------------------------|---------------|------------|---------------|------------|---------|---|
| JCI-641 | US | Design - ORG | 29/404,784 | 10/25/2011 | D660226 | 05/22/2012 | Battery | Johnson Controls Technology Company |
| JCI-641 BR | BR | Design Registration - ORG | 30212002043-3 | 04/25/2012 | 30212002043-3 | 02/13/2013 | Battery | Johnson Controls Technology Company |
| JCI-641 BZ | BZ | Design Registration - ORG | 1325.14 | 12/16/2014 | 1325.14 | 09/14/2015 | Battery | Johnson Controls Technology Company |
| JCI-641 CL | CL | Design Registration - ORG | 01041-2012 | 04/24/2012 | 6,886 | 04/24/2014 | Battery | Johnson Controls Technology Company |
| JCI-641 CR | CR | Design Registration - ORG | 2012-0205 | 04/25/2012 | 643 | 04/16/2013 | Battery | Johnson Controls Technology Company |
| JCI-641 DO | DO | Design Registration - ORG | D2012-0119 | 04/25/2012 | D2012119 | 01/31/2013 | Battery | Johnson Controls Technology Company |
| JCI-641 GT | GT | Design Registration - ORG | S2012-000020 | 04/24/2012 | 860 | 07/05/2015 | Battery | Johnson Controls Technology Company |
| JCI-641 HN | HN | Design Registration - ORG | 2012/858 | 04/24/2012 | 5348 | 02/18/2013 | Battery | Johnson Controls Technology Company |

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| JCI-641 HT | HT | Design Registration - ORG | 022-HAI-DAJ-REG6 | 04/25/2012 | 022-HAI-DAJ-REG 6 | 04/24/2012 | Battery | Johnson Controls Technology Company |
| JCI-641 JM | JM | Design Registration - ORG | D49/2012 | 04/25/2012 | 739 | 02/01/2013 | Battery | Johnson Controls Technology Company |
| JCI-641 MX | MX | Design Registration - ORG | MX/I/2012/001205 | 04/17/2012 | 38612 | 05/03/2013 | Battery | Johnson Controls Technology Company |
| JCI-641 NI | NI | Design Registration - ORG | 2012-000065 | 04/24/2012 | 2396 RPI | 09/10/2015 | Battery | Johnson Controls Technology Company |
| JCI-641 PA | PA | Design Registration - ORG | 89668 | 04/23/2012 | 89668 | 04/23/2012 | Battery | Johnson Controls Technology Company |
| JCI-641 SV | SV | Design Registration - ORG | 2012004190 | 04/23/2012 | 126BOOK4 | 12/14/2012 | Battery | Johnson Controls Technology Company |
| JCI-641 TT | TT | Design Registration - ORG | TT/F/2012/00008 | 04/17/2012 | TT/D/2012/00018 | 11/05/2012 | Battery | Johnson Controls Technology Company |

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|------------------|----|---------------------------|----------------|------------|-------------------|------------|---|-------------------------------------|
| JCI-641 UY | UY | Design Registration - ORG | 4153 | 04/20/2012 | 2420 | 05/14/2013 | Battery | Johnson Controls Technology Company |
| JCI-645 | US | Design - ORG | 29/404,786 | 10/25/2011 | D668604 | 10/09/2012 | Battery | Johnson Controls Technology Company |
| JCI-646 | US | Design - ORG | 29/404,788 | 10/25/2011 | D660790 | 05/29/2012 | Battery | Johnson Controls Technology Company |
| JCI-691 | US | Utility - DIV | 13/457,242 | 04/26/2012 | 8399135 | 03/19/2013 | Battery Grid | Johnson Controls Technology Company |
| JCI-692 | US | Utility - DIV | 13/457,277 | 04/26/2012 | 8980419 | 03/17/2015 | Battery Grid | Johnson Controls Technology Company |
| JOCP:0002 US | US | Utility - ORG | 13/231,766 | 09/13/2011 | 8920173 | 12/30/2014 | Vehicle Comparison System | Johnson Controls Technology Company |
| JOCP:0002 US CON | US | Utility - CON | 14/562,472 | 12/05/2014 | 9666092 | 05/30/2017 | Vehicle Comparison System | Johnson Controls Technology Company |
| JOCP:0003 US | US | Utility - ORG | 13/566,842 | 08/03/2012 | 9991730 | 06/05/2018 | Battery Charging Devices and Systems | Johnson Controls Technology Company |
| JOCP:0003 US2 | US | Utility - DIV | 15/986,580 | 05/22/2018 | | | Battery Charging Devices And Systems | Johnson Controls Technology Company |
| JOCP:0004 US CON | US | Utility - CON | 14/791,099 | 07/02/2015 | | | Battery Selection and Feedback System and Method | Johnson Controls Technology Company |
| JOCP:0007 CN | CN | Utility - NSPCT | 201280023857.4 | 11/12/2013 | ZL 201280023857.4 | 05/24/2017 | Energy Source Systems Having Devices With Differential States | Johnson Controls Technology Company |
| JOCP:0007 EP | EP | Utility - NSPCT | 12716139.6 | 03/16/2012 | | | Energy Source Systems Having Devices With Differential States Of Charge | Johnson Controls Technology Company |

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| JOCP:0007 US | US | Utility - ORG | 13/422,246 | 03/16/2012 | 9425492 | 08/23/2016 | Energy Source Systems Having Devices With Differential States Of Charge | Johnson Controls Technology Company |
| JOCP:0011 DES | US | Design - ORG | 29/404,488 | 10/21/2011 | D662046 | 06/19/2012 | Battery Charger Dashboard | Johnson Controls Technology Company |
| JOCP:0011 DES/CA | CA | Design Registration - ORG | 145,310 | 04/17/2012 | 145310 | 01/10/2013 | Battery Charger Dashboard | Johnson Controls Technology Company |
| JOCP:0011 DES/CN | CN | Design Registration - ORG | 201230154764.8 | 04/20/2012 | ZL201230154764.8 | 01/16/2013 | Battery Charger Dashboard | Johnson Controls Technology Company |
| JOCP:0011 DES/MX | MX | Design Registration - ORG | MX/1/2012/001206 | 04/17/2012 | 38649 | 05/09/2013 | Battery Charger Dashboard | Johnson Controls Technology Company |
| JOCP:0012 DES/AU | AU | Design Registration - ORG | 11857/2012 | 04/13/2012 | 342466 | 05/09/2012 | Battery Charger Housing | Johnson Controls Technology Company |
| JOCP:0012 DES/CA | CA | Design Registration - ORG | ID23057-1 | 04/17/2012 | 145311 | 01/10/2013 | Battery Charger Housing | Johnson Controls Technology Company |
| JOCP:0012 DES/CN | CN | Design Registration - ORG | 201230154766.7 | 04/20/2012 | ZL201230154766.7 | 01/16/2013 | Battery Charger Housing | Johnson Controls Technology Company |

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|---------------------|----|---------------------------------|-----------------|------------|------------------|--|---|
| JOCP:0012 DES/EP | EM | Design Registration - ORG | 002026625 | 04/16/2012 | | Battery Charger Housing | Johnson Controls Technology Company |
| JOCP:0012 DES/JP | JP | Design Registration - ORG | 2012-009444 | 04/23/2012 | 1453256 | Battery Charger Housing | Johnson Controls Technology Company |
| JOCP:0012 DES/MX | MX | Design Registration - ORG | MX//2012/001195 | 04/17/2012 | 38650 | Battery Charger Housing | Johnson Controls Technology Company |
| JOCP:0012 US DES | US | Design - ORG | 29/404,492 | 10/21/2011 | D662047 | Battery Charger Housing | Johnson Controls Technology Company |
| JOCP:0013 DES | US | Design - ORG | 29/404,496 | 10/21/2011 | D689020 | Battery Charger Terminal Clamp | Johnson Controls Technology Company |
| JOCP:0013 DES/CA | CA | Design Registration - ORG | ID23058-1 CA | 04/17/2012 | 145313 | Battery Charger Terminal Clamp | Johnson Controls Technology Company |
| JOCP:0013 DES/CN | CN | Design Registration - ORG | 201230154769.0 | 04/20/2012 | ZL201230154769.0 | Battery Charger Terminal Clamp | Johnson Controls Technology Company |
| JOCP:0013 DES/MX | MX | Design Registration - ORG | MX//2012/001207 | 10/21/2011 | 39309 | Battery Charger Terminal Clamp | Johnson Controls Technology Company |
| JOCP:0016 US | US | Utility - ORG | 13/278,451 | 10/21/2011 | 8901877 | Vehicle Battery Charger with Improved Cable Storage | Johnson Controls Technology Company |

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|---------------------|----|---------------------------------|-----------------|------------|-------------------|------------|--|---|
| JOCP:0017 DES | US | Design - ORG | 29/404,498 | 10/21/2011 | D662048 | 06/19/2012 | Vehicle Battery Charger | Johnson Controls Technology Company |
| JOCP:0017 DES/AU | AU | Design Registration - ORG | 11856/2012 | 04/13/2012 | 342465 | 05/09/2012 | Vehicle Battery Charger | Johnson Controls Technology Company |
| JOCP:0017 DES/CA | CA | Design Registration - ORG | 145,312 | 04/07/2012 | 145312 | 01/10/2013 | Vehicle Battery Charger | Johnson Controls Technology Company |
| JOCP:0017 DES/CN | CN | Design Registration - ORG | 201230154820.8 | 04/20/2012 | ZL201230154820.8 | 01/30/2013 | Vehicle Battery Charger | Johnson Controls Technology Company |
| JOCP:0017 DES/EP | EM | Design Registration - ORG | 002026625-0001 | 04/16/2012 | 002026625-0001 | 04/16/2012 | Vehicle Battery Charger | Johnson Controls Technology Company |
| JOCP:0017 DES/JP | JP | Design Registration - ORG | 2012-009445 | 04/23/2012 | 1453257 | 09/14/2012 | Vehicle Battery Charger | Johnson Controls Technology Company |
| JOCP:0017 DES/MX | MX | Design Registration - ORG | MX//2012/001208 | 04/17/2012 | 38648 | 05/09/2013 | Vehicle Battery Charger | Johnson Controls Technology Company |
| JOCP:0026 CN | CN | Utility - NSPCT | 201280064495.3 | 11/02/2012 | ZL 201280064495.3 | 05/31/2017 | A Dual Energy Storage System for Micro Hybrid Vehicle | Johnson Controls Technology Company |
| JOCP:0026 DE | DE | Utility - EPPAT | 12790753.3 | 11/02/2012 | 602012052369.7 | 10/17/2018 | A Dual Energy Storage System for Micro Hybrid Vehicle | Johnson Controls Technology Company |

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|-----------|----|-----------------|----------------|------------|-------------------|--|------------|--|-------------------------------------|--|
| | | | | | | | | | Vehicles | |
| JOCP:0026 | EP | Utility - NSPCT | 12790753.3 | 11/02/2012 | 2773526 | | 10/17/2018 | A Dual Energy Storage System for Micro Hybrid Vehicles | Johnson Controls Technology Company | |
| JOCP:0026 | FR | Utility - EPPAT | 12790753.3 | 11/02/2012 | 2773526 | | 10/17/2018 | A Dual Energy Storage System for Micro Hybrid Vehicles | Johnson Controls Technology Company | |
| JOCP:0026 | GB | Utility - EPPAT | 12790753.3 | 11/02/2012 | 2773526 | | 10/17/2018 | A Dual Energy Storage System for Micro Hybrid Vehicles | Johnson Controls Technology Company | |
| JOCP:0026 | US | Utility - ORG | 13666,380 | 11/01/2012 | 9487090 | | 11/08/2016 | Dual Energy Storage System for Micro Hybrid Vehicles | Johnson Controls Technology Company | |
| JOCP:0030 | CN | Utility - NSPCT | 201280070402.8 | 12/19/2012 | ZL 201280070402.8 | | 09/08/2017 | Unitary Energy Storage and Sensing Batteries | Johnson Controls Technology Company | |
| JOCP:0030 | DE | Utility - EPPAT | 12814082.9 | 12/19/2012 | 602012036085.2 | | 08/16/2017 | Unitary Energy Storage and Sensing Batteries | Johnson Controls Technology Company | |
| JOCP:0030 | FR | Utility - EPPAT | 12814082.9 | 12/19/2012 | 2795712 | | 08/16/2017 | Unitary Energy Storage and Sensing Batteries | Johnson Controls Technology Company | |
| JOCP:0030 | GB | Utility - EPPAT | 12814082.9 | 12/19/2012 | 2795712 | | 08/16/2017 | Unitary Energy Storage and Sensing Batteries | Johnson Controls Technology Company | |
| JOCP:0030 | IT | Utility - EPPAT | 12814082.9 | 12/19/2012 | 502017000128082 | | 08/16/2017 | Unitary Energy Storage and Sensing Batteries | Johnson Controls Technology Company | |
| JOCP:0030 | US | Utility - ORG | 137719,025 | 12/18/2012 | 9356327 | | 05/31/2016 | Unitary Energy Storage and Sensing Batteries | Johnson Controls Technology Company | |
| JOCP:0035 | CN | Utility - NSPCT | 201280023877.1 | 03/16/2012 | ZL 201280023877.1 | | 04/26/2017 | Systems and Methods for Controlling Multiple Storage Devices | Johnson Controls Technology Company | |

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|-----------------|----|--------------------|----------------|------------|-------------------|------------|--|---|
| JOCP:0035 EP | EP | Utility - NSPCT | 12713462.5 | 03/16/2012 | | | Systems and Methods for Controlling Multiple Storage Devices | Johnson Controls Technology Company |
| JOCP:0035 US | US | Utility - ORG | 13/422.326 | 03/16/2012 | 8957623 | 02/17/2015 | Systems and Methods for Controlling Multiple Storage Devices | Johnson Controls Technology Company |
| JOCP:0038 CN | CN | Utility - ORG | 201280023856.X | 03/16/2012 | ZL 201280023856.X | 02/15/2017 | Energy Source Devices and Systems Having a Battery and an Ultracapacitor | Johnson Controls Technology Company |
| JOCP:0038 EP | EP | Utility - ORG | 12716140.4 | 03/16/2012 | | | Energy Source Devices and Systems Having a Battery and an Ultracapacitor | Johnson Controls Technology Company |
| JOCP:0038 US | US | Utility - ORG | 13/422.421 | 03/16/2012 | | | Energy Source Devices and Systems Having a Battery and an Ultracapacitor | Johnson Controls Technology Company |
| JOCP:0051 DE | DE | Utility - EPPAT | 13703977.2 | 01/30/2013 | 602013025744.2 | 08/30/2017 | Method for Cooling a Lithium-Ion Battery Pack | Johnson Controls Technology Company |
| JOCP:0051 FR | FR | Utility - EPPAT | 13703977.2 | 01/30/2013 | 2810336 | 08/30/2017 | Method for Cooling a Lithium-Ion Battery Pack | Johnson Controls Technology Company |
| JOCP:0051 GB | GB | Utility - EPPAT | 13703977.2 | 01/30/2013 | 2810336 | 08/30/2017 | Method for Cooling a Lithium-Ion Battery Pack | Johnson Controls Technology Company |
| JOCP:0051 IT | IT | Utility - EPPAT | 13703977.2 | 01/30/2013 | 2810336 | 08/30/2017 | Method for Cooling a Lithium-Ion Battery Pack | Johnson Controls Technology Company |
| JOCP:0051 US | US | Utility - ORG | 13/753,221 | 01/29/2013 | 9437903 | 09/06/2016 | Method for Cooling a Lithium-Ion Battery Pack | Johnson Controls Technology Company |
| JOCP:0052 CN | CN | Utility - NSPCT | 201380014476.4 | 01/22/2013 | ZL201380014476.4 | 08/01/2017 | Systems and Methods for Manufacturing Battery Cells | Johnson Controls Technology Company |

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| JOCP:0052 EP | EP | Utility - NSPCT | 13703939.2 | 01/22/2013 | | | Systems and Methods for Manufacturing Battery Cells | Johnson Controls Technology Company |
| JOCP:0052 US | US | Utility - ORG | 137746,054 | 01/21/2013 | 8945763 | 02/03/2015 | Systems and Methods for Manufacturing Battery Cells | Johnson Controls Technology Company |
| JOCP:0053 US | US | Utility - ORG | 137741,005 | 01/14/2013 | 9494652 | 11/15/2016 | Voltage and Temperature Sensing of Battery Cell Groups | Johnson Controls Technology Company |
| JOCP:0055 CN | CN | Utility - NSPCT | 201380013783.0 | 01/31/2013 | ZL201380013783.0 | 08/01/2017 | Cover for Battery Cell | Johnson Controls Technology Company |
| JOCP:0055 EP | EP | Utility - NSPCT | 13703979.8 | 01/31/2013 | | | Cover for Battery Cell | Johnson Controls Technology Company |
| JOCP:0055 US | US | Utility - ORG | 137754,410 | 01/30/2013 | | | Cover for Battery Cell | Johnson Controls Technology Company |
| JOCP:0058 US | US | Utility - ORG | 137757,228 | 02/01/2013 | 9347995 | 05/24/2016 | System and Method for Detecting Battery Failure During A Non- Operating Event | Johnson Controls Technology Company |
| JOCP:0060 CN | CN | Utility - NSPCT | 201380019721.0 | 02/19/2013 | ZL 201380019721.0 | 02/02/2018 | Electrochemical Cell Having a Fixed Cell Element | Johnson Controls Technology Company |
| JOCP:0060 DE | DE | Utility - EPPAT | 13707764.0 | 02/19/2013 | 602013031319.9 | 12/27/2017 | Electrochemical Cell Having a Fixed Cell Element | Johnson Controls Technology Company |
| JOCP:0060 FR | FR | Utility - EPPAT | 13707764.0 | 02/19/2013 | 2817837 | 12/27/2017 | Electrochemical Cell Having a Fixed Cell Element | Johnson Controls Technology Company |
| JOCP:0060 GB | GB | Utility - EPPAT | 13707764.0 | 02/19/2013 | 2817837 | 12/27/2017 | Electrochemical Cell Having a Fixed Cell Element | Johnson Controls Technology Company |
| JOCP:0060 IT | IT | Utility - EPPAT | 13707764.0 | 02/19/2013 | 502018000009282 | 12/27/2017 | Electrochemical Cell Having a Fixed Cell Element | Johnson Controls Technology Company |
| JOCP:0060 US | US | Utility - ORG | 137768,491 | 02/15/2013 | 9324976 | 04/26/2016 | Electrochemical Cell Having a Fixed Cell Element | Johnson Controls Technology Company |

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| JOCP:0061 US | US | Utility - ORG | 13/691,415 | 11/30/2012 | 9181895 | 11/10/2015 | Start-Stop Retrofit Systems and Methods | Johnson Controls Technology Company |
| JOCP:0064 CN | CN | Utility - NSPCT | 201280023858.9 | 03/16/2012 | ZL 201280023858.9 | 10/12/2016 | Energy Source System Having Multiple Energy Storage Devices | Johnson Controls Technology Company |
| JOCP:0064 DE | DE | Utility - EPPAT | 12716141.2 | 03/16/2012 | 2686198 | 03/06/2019 | Energy Source System Having Multiple Energy Storage Devices | Johnson Controls Technology Company |
| JOCP:0064 EP | EP | Utility - NSPCT | 12716141.2 | 03/16/2012 | 2686198 | 03/06/2019 | Energy Source System Having Multiple Energy Storage Devices | Johnson Controls Technology Company |
| JOCP:0064 FR | FR | Utility - EPPAT | 12716141.2 | 03/16/2012 | 2686198 | 03/06/2019 | Energy Source System Having Multiple Energy Storage Devices | Johnson Controls Technology Company |
| JOCP:0064 GB | GB | Utility - EPPAT | 12716141.2 | 03/16/2012 | 2686198 | 03/06/2019 | Energy Source System Having Multiple Energy Storage Devices | Johnson Controls Technology Company |
| JOCP:0064 US | US | Utility - ORG | 13/422,514 | 03/16/2012 | 9300018 | 03/29/2016 | Energy Source System Having Multiple Energy Storage Devices | Johnson Controls Technology Company |
| JOCP:0064- US-DIV | US | Utility - DIV | 15/059,103 | 03/02/2016 | 10158152 | 12/18/2018 | Energy Source System Having Multiple Energy Storage Devices | Johnson Controls Technology Company |
| JOCP:0065 CN | CN | Utility - NSPCT | 201280023859.3 | 03/16/2012 | ZL 201280023859.3 | 10/19/2016 | Systems and Methods for Overcharge Protection and Charge Balance in Combined Energy Source Systems | Johnson Controls Technology Company |
| JOCP:0065 EP | EP | Utility - NSPCT | 12716142.0 | 03/16/2012 | | | Systems and Methods for Overcharge Protection and Charge Balance in Combined Energy | Johnson Controls Technology Company |

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| | | | | | | | | | Source Systems | |
| JOCP:0065 US | US | Utility - ORG | 13/422,621 | 03/16/2012 | 9819064 | 11/14/2017 | Systems and Methods for Overcharge Protection and Charge Balance in Combined Energy Source Systems | Johnson Controls Technology Company | | |
| JOCP:0066 CN | CN | Utility - NSPCT | 201380016359.1 | 03/27/2013 | ZL 201380016359.1 | 04/13/2018 | Polysulfone Coating for High Voltage Lithium-Ion Cells | Johnson Controls Technology Company | | |
| JOCP:0066 DE | DE | Utility - EPPAT | 13716626.0 | 03/27/2013 | 602013047068.5 | 11/21/2018 | Polysulfone Coating for High Voltage Lithium-Ion Cells | Johnson Controls Technology Company | | |
| JOCP:0066 FR | FR | Utility - EPPAT | 13716626.0 | 03/27/2013 | 2831942 | 11/21/2018 | Polysulfone Coating for High Voltage Lithium-Ion Cells | Johnson Controls Technology Company | | |
| JOCP:0066 GB | GB | Utility - EPPAT | 13716626.0 | 03/27/2013 | 2831942 | 11/21/2018 | Polysulfone Coating for High Voltage Lithium-Ion Cells | Johnson Controls Technology Company | | |
| JOCP:0066 US | US | Utility - ORG | 13/851,896 | 03/27/2013 | 9761862 | 09/12/2017 | Polysulfone Coating for High Voltage Lithium-Ion Cells | Johnson Controls Technology Company | | |
| JOCP:0067 CN | CN | Utility - NSPCT | 201380027823.7 | 03/27/2013 | ZL 201380027823.7 | 03/08/2019 | Capacitor Electrodes For Lead-Acid Battery With Surface-Modified Additives | Johnson Controls Technology Company | | |
| JOCP:0067 EP | EP | Utility - NSPCT | 13716625.2 | 03/27/2013 | | | Capacitor Electrodes For Lead-Acid Battery With Surface-Modified Additives | Johnson Controls Technology Company | | |
| JOCP:0067 US | US | Utility - ORG | 13/851,853 | 03/27/2013 | 9117596 | 08/25/2015 | Capacitor Electrodes For Lead-Acid Battery With Surface-Modified Additives | Johnson Controls Technology Company | | |

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| 14PS005-US-DES | US | Design - ORG | 29/513,993 | 01/07/2015 | D767490 | 09/27/2016 | Battery Bushing | Johnson Controls Technology Company ¹ |
| 14PS010-MX | MX | Utility - NSPCT | MX/ai2016/016932 | 06/08/2015 | | | Systems and Methods for Closed-Loop Recycling of a Liquid Component of a Leaching Mixture When Recycling Lead From Spent Lead-Acid Batteries | Johnson Controls Technology Company ² |
| 14PS010-US | US | Utility - ORG | 14/498,798 | 09/26/2014 | 9555386 | 01/31/2017 | Systems and Methods for Closed-Loop Recycling of a Liquid Component of a Leaching Mixture When Recycling Lead From Spent Lead-Acid Batteries | Johnson Controls Technology Company ³ |
| 14PS010-US-DIV | US | Utility - DIV | 15/398,962 | 01/05/2017 | | | Systems and Methods for Closed-Loop Recycling of a Liquid Component of a Leaching Mixture When Recycling Lead From Spent Lead-Acid Batteries | Johnson Controls Technology Company ⁴ |
| 14PS028-MX | MX | Utility - NSPCT | MX/ai2016/016926 | 06/08/2015 | | | Systems and Methods for Separating a Particulate Product | Johnson Controls Technology Company ⁵ |

¹ Jointly owned by WFGM530.

² Jointly owned by WFGM530.

³ Jointly owned by WFGM530.

⁴ Jointly owned by WFGM530.

⁵ Jointly owned by WFGM530.

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| | | | | | | | | | from Particulate Waste When Recycling Lead from Spent Lead-Acid Batteries | |
| 14PS028-US | US | Utility - ORG | 14/498,839 | 09/26/2014 | 9533273 | 01/03/2017 | Systems and Methods for Isolating a Particulate Product When Recycling Lead from Spent Lead-Acid Batteries | Johnson Controls Technology Company ⁶ | | |
| 14PS087-MX | MX | Utility - NSPCT | MX/ai2017/003168 | 07/21/2015 | | | Systems and Methods for Selectively Separating and Separately Processing Portions of Lead-Acid Batteries | Johnson Controls Technology Company ⁷ | | |
| 14PS087-US | US | Utility - ORG | 14/586,005 | 12/30/2014 | 9660306 | 05/23/2017 | Systems and Methods for Selectively Separating and Separately Processing Portions of Lead-Acid Batteries | Johnson Controls Technology Company ⁸ | | |
| 17PS019-WO | WO | Utility - ORG | PCT/US18/15523 | 01/26/2018 | | | Battery Housing | Johnson Controls Technology Company ⁹ | | |
| 17PS045-PRO5 | US | Prov - ORG | 62/723,855 | 08/28/2018 | | | Absorbent Glass Mat Battery | Johnson Controls Technology Company ¹⁰ | | |
| 17PS045-WO | WO | Utility - ORG | PCT/US18/36767 | 06/08/2018 | | | ABSORBENT GLASS MAT BATTERY | Johnson Controls Technology Company ¹¹ | | |

⁶ Jointly owned by WFGM530.

⁷ Jointly owned by WFGM530.

⁸ Jointly owned by WFGM530.

⁹ Jointly owned by WFGM530.

¹⁰ Jointly owned by WFGM530.

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| 18-0104-US | US | Utility - ORG | 16/293,434 | 03/05/2019 | | | Cap for Battery Terminal | Johnson Controls Technology Company ¹² |
| 18-0104-WO | WO | Utility - ORG | PCT/US19/20808 | 03/05/2019 | | | Cap for Battery Terminal | Johnson Controls Technology Company ¹³ |
| 18-0120-US | US | Utility - ORG | 16/293,364 | 03/05/2019 | | | Battery Terminal | Johnson Controls Technology Company ¹⁴ |
| 18-0120-WO | WO | Utility - ORG | PCT/US19/20792 | 03/05/2019 | | | Battery Terminal | Johnson Controls Technology Company ¹⁴ |
| 18-0721-PRO | US | Prov - ORG | 62/725,329 | 08/31/2018 | | | Improved Negative Mass for Lead-Acid Battery Electrodes & Lead-Acid Battery Including Same | Johnson Controls Technology Company ¹⁵ |
| 3333-290 PCT-1-CN | CN | Utility - NSPCT | 201280072552.2 | 03/02/2012 | ZL 201280072552.2 | 03/08/2017 | Venting Device for an Electrochemical Battery and Battery with a Venting Device | Johnson Controls Technology Company ¹⁶ |
| 3333-290 PCT-1-DE | DE | Utility - EPPAT | 12719048.6 | 03/02/2012 | 602012019370.0 | 06/08/2016 | Venting Device for an Electrochemical Battery and Battery with a Venting Device | Johnson Controls Technology Company ¹⁷ |
| 3333-290 PCT-1-FR | FR | Utility - EPPAT | 12719048.6 | 03/02/2012 | 2820692 | 06/08/2016 | Venting Device for an Electrochemical Battery and Battery with a Venting Device | Johnson Controls Technology Company ¹⁸ |

¹¹ Jointly owned by WFGM530.

¹² Jointly owned by WFGM530.

¹³ Jointly owned by WFGM530.

¹⁴ Jointly owned by WFGM530.

¹⁵ Jointly owned by WFGM530.

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¹⁸ Jointly owned by WFGM530.

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| 3333-290 PCT-1 GB | GB | Utility - EPPAT | 12719048.6 | 03/02/2012 | 2820692 | 06/08/2016 | Venting Device for an Electrochemical Battery and Battery with a Venting Device | Johnson Controls Technology Company ¹⁹ |
| 3333-290 PCT-1 IT | IT | Utility - EPPAT | 12719048.6 | 03/02/2012 | 502016000090125 | 06/08/2016 | Venting Device for an Electrochemical Battery and Battery with a Venting Device | Johnson Controls Technology Company ²⁰ |
| 3333-290 PCT-1 US | US | Utility - NSPCT | 14/382,207 | 03/02/2012 | 9508972 | 11/29/2016 | Venting Device for an Electrochemical Battery and Battery with a Venting Device | Johnson Controls Technology Company ²¹ |
| JCI-250-CN | CN | Utility - NSPCT | 200980146053.1 | 11/18/2009 | | | Electrical Power Storage Devices | Johnson Controls Technology Company ²² |
| JCI-250-CN- DIV | CN | Utility - DIV | 201610006277.4 | 11/18/2009 | | | Electrical Power Storage Devices | Johnson Controls Technology Company ²³ |
| JCI-250- EP/DE | DE | Utility - EPPAT | 097611016 | 11/18/2009 | 602009036351.4 | 02/17/2016 | Electrical Power Storage Devices | Johnson Controls Technology Company |
| JCI-250- EP/FR | FR | Utility - EPPAT | 097611016 | 11/18/2009 | 2359427 | 02/17/2016 | Electrical Power Storage Devices | Johnson Controls Technology Company |
| JCI-250- EP/GB | GB | Utility - EPPAT | 097611016 | 11/18/2009 | 2359427 | 02/17/2016 | Electrical Power Storage Devices | Johnson Controls Technology Company |
| JCI-250- EP/IT | IT | Utility - EPPAT | 097611016 | 11/18/2009 | 502016000048198 | 02/17/2016 | Electrical Power Storage Devices | Johnson Controls Technology Company |
| JCI-250-EP- DIV/DE | DE | Utility - EPPAT | 15198198.2 | 11/18/2009 | 602009053272.3 | 07/11/2018 | Electrical Power Storage Devices | Johnson Controls Technology Company |

¹⁹ Jointly owned by WFGM530.

²⁰ Jointly owned by WFGM530.

²¹ Jointly owned by WFGM530.

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| JCI-250-EP-DIV/FR | FR | Utility - EPPAT | 15198198.2 | 11/18/2009 | 3021389 | 07/11/2018 | Electrical Power Storage Devices | Johnson Controls Technology Company |
| JCI-250-EP-DIV/GB | GB | Utility - EPPAT | 15198198.2 | 11/18/2009 | 3021389 | 07/11/2018 | Electrical Power Storage Devices | Johnson Controls Technology Company |
| JCI-250-US | US | Utility - NSPCT | 13/129,323 | 11/18/2009 | 9525177 | 12/20/2016 | Electrical Power Storage Devices | Johnson Controls Technology Company |
| JCI-250-US-DIV | US | Utility - DIV | 15/352,186 | 11/15/2016 | | | Electrical Power Storage Devices | Johnson Controls Technology Company |
| 18-0527-PRO | US | Prov - ORG | 62/718,796 | 08/14/2018 | | | Advanced Battery Health Diagnostic | Johnson Controls Technology Company ²⁴ |
| 1SPS090-CN | CN | Utility - NSPCT | 201680082188.6 | 08/01/2016 | | | Systems and Methods for Directional Capacity Estimation of a Rechargeable Battery | Johnson Controls Technology Company ²⁵ |
| 1SPS090-EP | EP | Utility - NSPCT | 16763118.3 | 08/01/2016 | | | Systems and Methods for Directional Capacity Estimation of a Rechargeable Battery | Johnson Controls Technology Company ²⁶ |
| 1SPS090-US | US | Utility - ORG | 15/048,853 | 02/19/2016 | 10048321 | 08/14/2018 | Systems and Methods for Directional Capacity Estimation of a Rechargeable Battery | Johnson Controls Technology Company ²⁷ |
| 1SPS093-CN | CN | Utility - NSPCT | 201680082175.9 | 08/02/2016 | | | Systems And Methods For Real-Time Parameter Estimation Of A Battery | Johnson Controls Technology Company ²⁸ |

²⁴ Jointly owned by WFGM596 and WFGM530.

²⁵ Jointly owned by WFGM596.

²⁶ Jointly owned by WFGM596.

²⁷ Jointly owned by WFGM596.

²⁸ Jointly owned by WFGM596.

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| | | | | | | | | | Rechargeable Battery | |
| 1SPS093-EP | EP | Utility - NSPCT | 16763606.7 | 08/02/2016 | | | | | Systems And Methods For Real-Time Parameter Estimation Of A Rechargeable Battery | Johnson Controls Technology Company ²⁹ |
| 1SPS093-US | US | Utility - ORG | 15/048,691 | 02/19/2016 | | | | | Systems And Methods For Real-Time Parameter Estimation Of A Rechargeable Battery | Johnson Controls Technology Company ³⁰ |
| 16PS001-CN | CN | Utility - NSPCT | 201680082627.3 | 08/02/2016 | | | | | Systems And Methods For Real-Time Estimation Of Capacity Of A Rechargeable Battery | Johnson Controls Technology Company ³¹ |
| 16PS001-EP | EP | Utility - NSPCT | 16763605.9 | 08/02/2016 | | | | | Systems And Methods For Real-Time Estimation Of Capacity Of A Rechargeable Battery | Johnson Controls Technology Company ³² |
| 16PS001-US | US | Utility - ORG | 15/048,816 | 02/19/2016 | | | | | Systems And Methods For Real-Time Estimation Of Capacity Of A Rechargeable Battery | Johnson Controls Technology Company ³³ |
| 16PS013-CN | CN | Utility - NSPCT | 201780053542.7 | 02/22/2017 | | | | | Systems and Methods For State Of Charge And | Johnson Controls Technology Company ³⁴ |

²⁹ Jointly owned by WFGM596.

³⁰ Jointly owned by WFGM596.

³¹ Jointly owned by WFGM596.

³² Jointly owned by WFGM596.

³³ Jointly owned by WFGM596.

³⁴ Jointly owned by WFGM596.

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| | | | | | | | | Capacity Estimation Of A Rechargeable Battery | |
| 16PS013-EP | EP | Utility - NSPCT | 17717914.0 | 02/22/2017 | | | | Systems and Methods For State of Charge And Capacity Estimation Of A Rechargeable Battery | Johnson Controls Technology ³⁵ Company |
| 16PS013-US | US | Utility - ORG | 15/254,645 | 09/01/2016 | | | | Systems and Methods For State of Charge And Capacity Estimation Of A Rechargeable Battery | Johnson Controls Technology ³⁶ Company |
| 16PS013-WO | WO | Utility - ORG | PCT/US2017/018909 | 02/22/2017 | | | | Systems and Methods For State of Charge And Capacity Estimation Of A Rechargeable Battery | Johnson Controls Technology ³⁷ Company |
| 18-0204-PRO | US | Prov - ORG | 62/803,026 | 02/08/2019 | | | | Enhanced Passive Thermal Management System For Li-Ion Battery | Johnson Controls Technology ³⁸ Company |
| 13PS021-CN-DIV | CN | Utility - DIV | 201310231733.1 | 06/09/2013 | ZL 201310231733.1 | 01/18/2019 | | A Polymer Porous Membrane, the Method for Making the Polymer Porous Membrane and the Use of the Polymer Porous Membrane in the Gel Polymer Electrolyte | Johnson Controls Technology ³⁹ Company |

³⁵ Jointly owned by WFGM596.

³⁶ Jointly owned by WFGM596.

³⁷ Jointly owned by WFGM596.

³⁸ Jointly owned by WFGM596.

³⁹ Jointly owned by University of Science and Technology Beijing.

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| 14PS026-US | US | Utility - ORG | 14/614,389 | 02/04/2015 | 9947960 | 04/17/2018 | Electrolytes for Low Impedance, Wide Operating Temperature Range Lithium-Ion Battery Module | Johnson Controls Technology Company ⁴⁰ |
| 15FS080-CN | CN | Utility - NSPCT | 201680036553.X | 06/21/2016 | | | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁴¹ |
| 15FS080-US1 | US | Utility - ORG | 14/746,728 | 06/22/2015 | 9466857 | 10/11/2016 | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁴² |
| 15FS080-US2 | US | Utility - CON | 15/260,003 | 09/08/2016 | 10079406 | 09/18/2018 | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁴³ |
| 15FS081-CN | CN | Utility - NSPCT | 201680036536.6 | 06/21/2016 | | | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁴⁴ |
| 15FS081-US1 | US | Utility - ORG | 14/746,737 | 06/22/2015 | 9653755 | 05/16/2017 | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁴⁵ |
| 15FS081-US2 | US | Utility - DIV | 15/588,517 | 05/05/2017 | 10014553 | 07/03/2018 | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁴⁶ |
| 15FS081-US3 | US | Utility - CON | 16/022,938 | 06/29/2018 | | | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁴⁷ |

⁴⁰ Jointly owned by California Institute of Technology.

⁴¹ Jointly owned by Wildcat Discovery Technologies, Inc.

⁴² Jointly owned by Wildcat Discovery Technologies, Inc.

⁴³ Jointly owned by Wildcat Discovery Technologies, Inc.

⁴⁴ Jointly owned by Wildcat Discovery Technologies, Inc.

⁴⁵ Jointly owned by Wildcat Discovery Technologies, Inc.

⁴⁶ Jointly owned by Wildcat Discovery Technologies, Inc.

⁴⁷ Jointly owned by Wildcat Discovery Technologies, Inc.

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| 1SPS082-CN | CN | Utility - NSPCT | 201680036591.5 | 06/21/2016 | | | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁴⁸ |
| 1SPS082-US1 | US | Utility - ORG | 14/746,740 | 06/22/2015 | 9887434 | 02/06/2018 | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁴⁹ |
| 1SPS082-US2 | US | Utility - CON | 15/887,747 | 02/02/2018 | | | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁵⁰ |
| 1SPS083-CN | CN | Utility - NSPCT | 201680036569.0 | 06/21/2016 | | | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁵¹ |
| 1SPS083-US1 | US | Utility - ORG | 14/746,746 | 06/22/2015 | 9490503 | 11/08/2016 | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁵² |
| 1SPS083-US2 | US | Utility - CON | 15/261,603 | 09/09/2016 | | | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁵³ |
| 1SPS084-CN | CN | Utility - NSPCT | 201680036552.5 | 06/21/2016 | | | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁵⁴ |
| 1SPS084-US | US | Utility - ORG | 14/746,755 | 06/22/2015 | | | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁵⁵ |

⁴⁸ Jointly owned by Wildcat Discovery Technologies, Inc.

⁴⁹ Jointly owned by Wildcat Discovery Technologies, Inc.

⁵⁰ Jointly owned by Wildcat Discovery Technologies, Inc.

⁵¹ Jointly owned by Wildcat Discovery Technologies, Inc.

⁵² Jointly owned by Wildcat Discovery Technologies, Inc.

⁵³ Jointly owned by Wildcat Discovery Technologies, Inc.

⁵⁴ Jointly owned by Wildcat Discovery Technologies, Inc.

⁵⁵ Jointly owned by Wildcat Discovery Technologies, Inc.

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| 1SPS085-CN | CN | Utility - NSPCT | 201680036486.1 | 06/21/2016 | | | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁵⁶ |
| 1SPS085-US | US | Utility - ORG | 14/746,761 | 06/22/2015 | | | Electrolyte Formulations For Lithium Ion Batteries | Johnson Controls Technology Company ⁵⁷ |
| 10559.2/US | US | Utility - NSPCT | 12/423,470 | 04/14/2009 | 8142237 | 03/27/2012 | Device for Measuring a Current Flowing in a Cable | Johnson Controls Technology Company ⁵⁸ |
| JCE-535 US | US | Utility - ORG | 13/576,626 | 02/25/2011 | 9093700 | 07/28/2015 | Battery Terminal Cover | Johnson Controls Technology Company ⁵⁹ |
| JCE-535 US DIV | US | Utility - DIV | 14/746,222 | 06/22/2015 | 9761858 | 09/12/2017 | Battery Terminal Cover | Johnson Controls Technology Company ⁶⁰ |
| 11PS001-US | US | Utility - ORG | 13/491,490 (ABANDONED 8/26/2015) | 06/07/2012 | | | Electrochemical Cell Having Releasable Suppressant | Johnson Controls Technology Company |
| 11PS528-EP | EP | Utility - NSPCT | 14/706354.9 | 01/22/2014 | | | Battery Monitoring System with On Demand Diagnostic Activation | Johnson Controls Technology Company |
| 12PS097-PRO | US | Prov - ORG | 62/599,418 (EXPIRED) | 12/15/2017 | | | Hold-Down Assembly And Device For A Battery | Johnson Controls Technology Company |
| 12PS097-PRO2 | US | Prov - ORG | 62/667,686 | 05/07/2018 | | | Hold-Down Assembly And Device For A Battery | Johnson Controls Technology Company |
| 13PS002-EP | EP | Utility - NSPCT | 13818170.6 (ABANDONED) | 12/20/2013 | | | Dual Function Battery System Design | Johnson Controls Technology Company |

⁵⁶ Jointly owned by Wildcat Discovery Technologies, Inc.

⁵⁷ Jointly owned by Wildcat Discovery Technologies, Inc.

⁵⁸ Jointly owned by Kromberg & Schubert GmbH & Co., KG.

⁵⁹ Jointly owned by Polymer Molding, Inc.

⁶⁰ Jointly owned by Polymer Molding, Inc.

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| 14PS011-PRO | US | Prov - ORG | 62/632,689 (EXPIRED) | 02/20/2018 | | | Module Level Formation and Standloss Enabled Housing Design | Johnson Controls Technology Company |
| 14PS040-EP | EP | Utility - NSPCT | 15753242.5 | 07/28/2015 | 3175500 | 10/03/2018 | Overcharge Protection Device for a Battery Module | Johnson Controls Technology Company |
| 14PS061-EP | EP | Utility - NSPCT | 15756307.3 | 08/18/2015 | | | Lead Frame for a Battery Module Having Sacrificial Interconnects | Johnson Controls Technology Company |
| 14PS084-US | US | Utility - ORG | 14/596,609 (ABANDONED) | 01/14/2015 | | | Systems and Methods for Lithium Titanate Oxide (LTO) Anode Electrodes for Lithium Ion Battery Cells | Johnson Controls Technology Company |
| 14PS085-US | US | Utility - ORG | 14/589,813 (ABANDONED) | 01/05/2015 | | | Hinged Vent for Electrochemical Cell System and Method | Johnson Controls Technology Company |
| 15FS004-US | US | Utility - ORG | 14/715,357 (ABANDONED) | 05/18/2015 | | | System and Method for Lithium-Ion Battery Module Assembly Via Heat Seal of Cover to Base of Housing | Johnson Controls Technology Company |
| 15FS011-US | US | Utility - ORG | 14/596,624 (ABANDONED) | 01/14/2015 | | | Systems and Methods for Lithium Titanate Oxide (LTO) Anode Electrodes for Lithium Ion Battery Cells | Johnson Controls Technology Company |
| 15FS020-US | US | Utility - ORG | 14/952,493 (ABANDONED) | 11/25/2015 | | | Lithium Ion Electrolytes With LiFSI For Improved Wide Operating Temperature Range | Johnson Controls Technology Company |
| 15FS025-EP | EP | Utility - NSPCT | 16706273.6 | 01/15/2016 | | | Battery Cell Separator | Johnson Controls Technology Company |

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| 1SPS031-EP | EP | Utility - NSPCT | 16/702631.9 | 01/16/2016 | | | Battery Module Cooling Fins and Footings System | Johnson Controls Technology Company |
| 1SPS057-US2 | US | Utility - CON | 16/115,456 | 08/28/2018 | | | Welding Process For Battery Module Components | Johnson Controls Technology Company |
| 16PS019-PRO | US | Prov - ORG | 62/575,060 (EXPIRED) | 10/20/2017 | | | Advanced Battery Performance Evaluation for Consumer Messaging | Johnson Controls Technology Company |
| 16PS029-WO | WO | Utility - ORG | PCT/US16/59283 | 10/28/2016 | | | Bi-Stable Relay | Johnson Controls Technology Company |
| 16PS030-WO | WO | Utility - ORG | PCT/US2017/051360 | 09/13/2017 | | | Isolation Barrier Fault Detection Circuit | Johnson Controls Technology Company |
| 16PS031-WO | WO | Utility - ORG | PCT/US2017/042920 | 07/19/2017 | | | Battery Module Connector Barrel | Johnson Controls Technology Company |
| 16PS033-WO | WO | Utility - ORG | PCT/US2017/042925 | 07/19/2017 | | | Systems And Methods For Measuring Isolation Resistance | Johnson Controls Technology Company |
| 16PS034-WO | WO | Utility - ORG | PCT/US2017/032878 | 05/16/2017 | | | Dual Energy Storage System And Starter Battery Module | Johnson Controls Technology Company |
| 16PS035-WO | WO | Utility - ORG | PCT/US2017/042913 | 07/19/2017 | | | System And Method For Battery Modules Having Terminal Block Assemblies With Drainage Channels | Johnson Controls Technology Company |
| 16PS040-WO | WO | Utility - ORG | PCT/US2017/044730 | 07/31/2017 | | | Overcharge Protection Assembly For A Battery Cell | Johnson Controls Technology Company |
| 16PS041-WO | WO | Utility - ORG | PCT/US2017/044955 | 08/01/2017 | | | Overcharge Protection Systems For Prismatic Lithium Ion Battery Cells With Biased Packaging | Johnson Controls Technology Company |

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| 16PS042-WO | WO | Utility - ORG | PCT/US2017/044957 | 08/01/2017 | | | Overcharge Protection Systems Having Dual Spiral Disk Features For Prismatic Lithium Ion Battery Cells | Johnson Controls Technology Company |
| 16PS043-WO | WO | Utility - ORG | PCT/US2017/044728 | 07/31/2017 | | | Weldable Aluminum Terminal Pads Of An Electrochemical Cell | Johnson Controls Technology Company |
| 16PS047-WO | WO | Utility - ORG | PCT/US2017/044209 | 07/27/2017 | | | Cell Assembly For A Battery Module | Johnson Controls Technology Company |
| 16PS052-CN | CN | Utility - ORG | 201610986892.6 (ABANDONED) | 11/09/2016 | | | Battery Package with Configurable Fan (具有风扇组件的电池包) | Johnson Controls Technology Company |
| 16PS052-WO | WO | Utility - ORG | PCT/IB2017/056998 (ABANDONED) | 11/09/2017 | | | Battery Pack With Fan Assembly | Johnson Controls Technology Company |
| 17PS027-PRO | US | Prov - ORG | 62/588,570 (EXPIRED) | 11/20/2017 | | | Reversal Disk for Li-Ion Cell Overcharge Protector | Johnson Controls Technology Company |
| 17PS033-PRO | US | Prov - ORG | 62/588,581 (EXPIRED) | 11/20/2017 | | | Overcharge Protection Device With Uneven Terminal Pads | Johnson Controls Technology Company |
| 17PS036-PRO2 | US | Prov - ORG | 62/621,824 (EXPIRED) | 01/25/2018 | | | Vent Plug and Burst Disk | Johnson Controls Technology Company |
| 17PS040-PRO | US | Prov - ORG | 62/582,558 (EXPIRED) | 11/07/2017 | | | Lithium-Ion Battery Cell And Module | Johnson Controls Technology Company |
| 17PS046-WO | WO | Utility - ORG | PCT/US2017/044959 | 08/01/2017 | | | Overcharge Protection Systems For Prismatic Lithium Ion Battery Cells Having Neutral Or Non-Conductive Packaging | Johnson Controls Technology Company |

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| 17PS052-PRO | US | Prov - ORG | 62/584,514 | 11/10/2017 | | | Methods for Identifying Lead-Recycling Slag Suitable for Use as a Heavy Metal Stabilizer for Hazardous Waste | Johnson Controls Technology Company |
| 17PS054-PRO | US | Prov - ORG | 62/633,213 | 02/21/2018 | | | Systems And Methods For Dynamically Determining The Effective Resistance Of A Rechargeable Battery | Johnson Controls Technology Company |
| 17PS055-PRO | US | Prov - ORG | 62/625,776 (EXPIRED) | 02/02/2018 | | | Battery Separator | Johnson Controls Technology Company |
| 18-0002-PRO | US | Prov - ORG | 62/575,960 (EXPIRED) | 10/23/2017 | | | User Interface for a Battery Tester | Johnson Controls Technology Company |
| 18-0002-PRO2 | US | Prov - ORG | 62/578,974 (EXPIRED) | 10/30/2017 | | | User Interface for a Battery Tester | Johnson Controls Technology Company |
| 18-0038-PRO | US | Prov - ORG | 62/580,745 (EXPIRED) | 11/02/2017 | | | Method to Evaluate Battery in Real Vehicle Environment | Johnson Controls Technology Company |
| 18-0062-PRO | US | Prov - ORG | 62/622,424 (EXPIRED) | 01/26/2018 | | | Battery Vibration Clip | Johnson Controls Technology Company |
| 18-0104-PRO | US | Prov - ORG | 62/638,641 (EXPIRED) | 03/05/2018 | | | Cap for Battery Terminal | Johnson Controls Technology Company |
| 18-0120-PRO | US | Prov - ORG | 62/638,665 (EXPIRED) | 03/05/2018 | | | Battery Terminal | Johnson Controls Technology Company |
| 18-0127-PRO | US | Prov - ORG | 62/672,413 (ABANDONED) | 05/16/2018 | | | Bus Bar For A Battery Module Terminal | Johnson Controls Technology Company |
| 18-0189-PRO | US | Prov - ORG | 62/672,418 (ABANDONED) | 05/16/2018 | | | Cover For A Battery Module Housing | Johnson Controls Technology Company |

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|-------------|----|---------------------------|-------------------------------|------------|------------------|--|------------|--|-------------------------------------|
| 18-0367-PRO | US | Prov - ORG | 62/654,091 (EXPIRED) | 04/06/2018 | | | | Thermal Management System For A Battery Module | Johnson Controls Technology Company |
| 97PS001-BR | BR | Utility - NSPCT | P19814901.6 (EXPIRED) | 11/13/1998 | P19814901.6 | | 03/11/2008 | Stamped Battery Grid | Johnson Controls Technology Company |
| 97PS001-CN | CN | Utility - NSPCT | 98811536.0 (EXPIRED) | 11/13/1998 | 98811536.0 | | 03/02/2005 | Stamped Battery Grid | Johnson Controls Technology Company |
| 97PS001-DE | DE | Utility - EPPAT | 98957971.9 (EXPIRED) | 11/13/1998 | 69811939.8 | | 03/05/2003 | Stamped Battery Grid | Johnson Controls Technology Company |
| 97PS001-ES | ES | Utility - EPPAT | 98957971.9 (EXPIRED) | 11/13/1998 | 1034574 | | 03/05/2003 | Stamped Battery Grid | Johnson Controls Technology Company |
| 97PS001-FR | FR | Utility - EPPAT | 98957971.9 (EXPIRED) | 11/13/1998 | 1034574 | | 03/05/2003 | Stamped Battery Grid | Johnson Controls Technology Company |
| 97PS001-GB | GB | Utility - EPPAT | 98957971.9 (EXPIRED) | 11/13/1998 | 1034574 | | 03/05/2003 | Stamped Battery Grid | Johnson Controls Technology Company |
| 97PS001-IT | IT | Utility - EPPAT | 98957971.9 (EXPIRED) | 11/13/1998 | 1034574 | | 03/05/2003 | Stamped Battery Grid | Johnson Controls Technology Company |
| 97PS001-JP | JP | Utility - NSPCT | 2000-522636 (EXPIRED) | 11/13/1998 | 3615147 | | 11/12/2004 | Stamped Battery Grid | Johnson Controls Technology Company |
| 97PS001-MX | MX | Utility - NSPCT | PA/4/2000/005162 (EXPIRED) | 11/13/1998 | 227882 | | 05/18/2005 | Stamped Battery Grid | Johnson Controls Technology Company |
| JCI-084/CN | CN | Design Registration - ORG | 200830140868.7 (EXPIRED) | 07/09/2008 | ZL200830140868.7 | | 04/21/2010 | Battery | Johnson Controls Technology Company |
| JCI-086/CN | CN | Design Registration - ORG | 200830140870.4 (EXPIRED) | 07/09/2008 | ZL200830140870.4 | | 12/09/2009 | Alloy for Battery Grids | Johnson Controls Technology Company |
| JCI-174 | AU | Design Registration - ORG | 13057/2008 (EXPIRED) | 07/03/2008 | 322045 | | 11/12/2008 | BATTERY | Johnson Controls Technology Company |
| JCI-198 | AU | Design Registration - ORG | 13164/2008 (EXPIRED) | 07/08/2008 | 322365 | | 11/26/2008 | ALLOY FOR BATTERY GRIDS | Johnson Controls Technology Company |

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|----------------|----|---------------------------|------------------------|------------|---------|------------|--|-------------------------------------|
| JCI-223 | AU | Design Registration - ORG | 13200/2008 (EXPIRED) | 07/09/2008 | 321607 | 10/20/2008 | ALLOY FOR BATTERY GRIDS | Johnson Controls Technology Company |
| JCI-259-EP | EP | Utility - NSPCT | 10755269.7 | 09/03/2010 | | | Secondary Battery with Improved Acid Desulfatification | Johnson Controls Technology Company |
| JCI-259-US2 | US | Utility - DIV | 16/036,200 | 07/16/2018 | | | Secondary Battery with Improved Acid Desulfatification | Johnson Controls Technology Company |
| JCI-353 | US | Utility - ORG | 09/912,675 (EXPIRED) | 07/23/2001 | 6452361 | 09/17/2002 | BATTERY SYSTEM | Johnson Controls Technology Company |
| JCI-355 | US | Utility - ORG | 09/183,703 (EXPIRED) | 10/30/1998 | 6300007 | 10/09/2001 | Lead Alloy for Lead-Acid Battery Terminals | Johnson Controls Technology Company |
| JOCP:0022-US2 | US | Utility - CON | 15/202,406 (ABANDONED) | 07/05/2016 | | | Cathode Active Material For Overcharge Protection In Secondary Lithium Batteries | Johnson Controls Technology Company |
| JOCP:0036 EP | EP | Utility - NSPCT | 13701513.7 | 01/09/2013 | | | Systems and Methods for De-Energizing Battery Packs | Johnson Controls Technology Company |
| JOCP:0066 EP | EP | Utility - NSPCT | 13716626.0 | 03/27/2013 | | | Poly sulfone Coating for High Voltage Lithium-Ion Cells | Johnson Controls Technology Company |
| 17PS045-PRO6 | US | Prov - ORG | 62/824214 | 03/26/2019 | | | Absorbent Glass Mat Battery | Johnson Controls Technology Company |
| 19-0168-US | US | Design - ORG | 29/684257 | 03/19/2019 | | | Display Screen or Portion Thereof with Icon | Johnson Controls Technology Company |
| 19-0522-PRO | US | Prov - ORG | 62/835765 | 04/18/2019 | | | Heat Sink Fixation Through Plastic Melting | Johnson Controls Technology Company |
| JCI-609 MX DIV | MX | Utility - DIV | MX/ar2019/004435 | 04/15/2019 | | | Battery Grid with Varied Corrosion Resistance | Johnson Controls Technology Company |

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