

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2633607

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>SHAN K. SASIDHARAN</td> <td>11/26/2013</td> </tr> <tr> <td>RAJESH M. NARAYANAN</td> <td>11/26/2013</td> </tr> <tr> <td>RAGHURAM AYALUR MURALIKRISHNAN</td> <td>11/26/2013</td> </tr> <tr> <td>VIJAYAKUMAR RAJAGOPAL</td> <td>11/26/2013</td> </tr> <tr> <td>PULKIT JAIN</td> <td>11/26/2013</td> </tr> <tr> <td>SIREESH CHANDRA MUTHARAJU</td> <td>11/26/2013</td> </tr> <tr> <td>SRAVAN V. REDDY</td> <td>11/26/2013</td> </tr> </tbody> </table>		Name	Execution Date	SHAN K. SASIDHARAN	11/26/2013	RAJESH M. NARAYANAN	11/26/2013	RAGHURAM AYALUR MURALIKRISHNAN	11/26/2013	VIJAYAKUMAR RAJAGOPAL	11/26/2013	PULKIT JAIN	11/26/2013	SIREESH CHANDRA MUTHARAJU	11/26/2013	SRAVAN V. REDDY	11/26/2013
Name	Execution Date																
SHAN K. SASIDHARAN	11/26/2013																
RAJESH M. NARAYANAN	11/26/2013																
RAGHURAM AYALUR MURALIKRISHNAN	11/26/2013																
VIJAYAKUMAR RAJAGOPAL	11/26/2013																
PULKIT JAIN	11/26/2013																
SIREESH CHANDRA MUTHARAJU	11/26/2013																
SRAVAN V. REDDY	11/26/2013																
RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>Name:</td> <td>VERIZON PATENT AND LICENSING INC.</td> </tr> <tr> <td>Street Address:</td> <td>ONE VERIZON WAY</td> </tr> <tr> <td>City:</td> <td>BASKING RIDGE</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>07920-1097</td> </tr> </table>		Name:	VERIZON PATENT AND LICENSING INC.	Street Address:	ONE VERIZON WAY	City:	BASKING RIDGE	State/Country:	NEW JERSEY	Postal Code:	07920-1097						
Name:	VERIZON PATENT AND LICENSING INC.																
Street Address:	ONE VERIZON WAY																
City:	BASKING RIDGE																
State/Country:	NEW JERSEY																
Postal Code:	07920-1097																
PROPERTY NUMBERS Total: 1																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14094381</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14094381												
Property Type	Number																
Application Number:	14094381																
CORRESPONDENCE DATA																	
Fax Number: Phone: 703-351-3579 Email: patents@verizon.com, mbarham@mwe.com <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> Correspondent Name: VERIZON PATENT MANAGEMENT GROUP Address Line 1: 1320 NORTH COURT HOUSE ROAD Address Line 2: 9TH FLOOR Address Line 4: ARLINGTON, VIRGINIA 22201-2909																	
ATTORNEY DOCKET NUMBER:	20130629 (050108-0796)																
<b>PATENT</b>																	

NAME OF SUBMITTER:	BABAK AKHLAGHI
Signature:	/Babak Akhlaghi/
Date:	12/02/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p>Total Attachments: 14</p> <p>source=20130629_DEC_ASSN_050108-0796#page1.tif</p> <p>source=20130629_DEC_ASSN_050108-0796#page2.tif</p> <p>source=20130629_DEC_ASSN_050108-0796#page3.tif</p> <p>source=20130629_DEC_ASSN_050108-0796#page4.tif</p> <p>source=20130629_DEC_ASSN_050108-0796#page5.tif</p> <p>source=20130629_DEC_ASSN_050108-0796#page6.tif</p> <p>source=20130629_DEC_ASSN_050108-0796#page7.tif</p> <p>source=20130629_DEC_ASSN_050108-0796#page8.tif</p> <p>source=20130629_DEC_ASSN_050108-0796#page9.tif</p> <p>source=20130629_DEC_ASSN_050108-0796#page10.tif</p> <p>source=20130629_DEC_ASSN_050108-0796#page11.tif</p> <p>source=20130629_DEC_ASSN_050108-0796#page12.tif</p> <p>source=20130629_DEC_ASSN_050108-0796#page13.tif</p> <p>source=20130629_DEC_ASSN_050108-0796#page14.tif</p>	

**DECLARATION AND ASSIGNMENT  
FOR UTILITY PATENT APPLICATION**

Patent Application Title: **Dynamic Battery Management**

the patent application for which:

☒ is being filed concurrently herewith, Application Number to be assigned by the USPTO, or  
☐ was filed on \_\_\_\_\_ as United States Application Number \_\_\_\_\_ or PCT International  
Application Number \_\_\_\_\_.

Declaration of Inventor

As a below named inventor, I hereby declare that:

- A. I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application;
- B. The above-identified application was made or authorized to be made by me; and
- C. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement, I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

VZ Docket No.: 20130629 (050108-0796)

C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc., with a place of business at One Verizon Way,  
Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Shan K. Sasidharan

Mailing Address: Plot 8-9, Flat S3, Block 2, Harini Keerthi, Sri Lakshmi Nagar, Mugalivakkam,  
Chennai - 600125, TN, India

Signature:  Date: 26/11/2013

**DECLARATION AND ASSIGNMENT  
FOR UTILITY PATENT APPLICATION**

Patent Application Title: **Dynamic Battery Management**

the patent application for which:

☒ is being filed concurrently herewith, Application Number to be assigned by the USPTO, or  
☐ was filed on \_\_\_\_\_ as United States Application Number \_\_\_\_\_ or PCT International  
Application Number \_\_\_\_\_.

Declaration of Inventor

As a below named inventor, I hereby declare that:

- A. I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application;
- B. The above-identified application was made or authorized to be made by me; and
- C. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement, I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc., with a place of business at One Verizon Way,  
Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Rajesh M. Narayanan

Mailing Address: 49/B P.S. Sivaswamy salai, Mylapore, Chennai - 600004, TN, India

Signature:  Date: 11/26/2013

**DECLARATION AND ASSIGNMENT  
FOR UTILITY PATENT APPLICATION**

Patent Application Title: **Dynamic Battery Management**

the patent application for which:

☒ is being filed concurrently herewith, Application Number to be assigned by the USPTO, or  
☐ was filed on \_\_\_\_\_ as United States Application Number \_\_\_\_\_ or PCT International  
Application Number \_\_\_\_\_.

Declaration of Inventor

As a below named inventor, I hereby declare that:

- A. I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application;
- B. The above-identified application was made or authorized to be made by me; and
- C. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement, I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc., with a place of business at One Verizon Way,  
Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Raghuram Ayalur Muralikrishnan

Mailing Address: 44/13, A2, Indus Cauvery Apartments, Vyasar Street, East Tambaram, Chennai -  
600059, TN, India

Signature:  Date: 26/11/2013



**DECLARATION AND ASSIGNMENT  
FOR UTILITY PATENT APPLICATION**

Patent Application Title: **Dynamic Battery Management**

the patent application for which:

☒ is being filed concurrently herewith, Application Number to be assigned by the USPTO, or  
☐ was filed on \_\_\_\_\_ as United States Application Number \_\_\_\_\_ or PCT International  
Application Number \_\_\_\_\_.

Declaration of Inventor

As a below named inventor, I hereby declare that:

- A. I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application;
- B. The above-identified application was made or authorized to be made by me; and
- C. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement, I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc., with a place of business at One Verizon Way,  
Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Vijayakumar Rajagopal

Mailing Address: 2/31 Kalanayakanoor, Chinnampalli, Pennagaram, Dharmapuri - 636811, TN,  
India

Signature:  Date: 11/26/2013

**DECLARATION AND ASSIGNMENT  
FOR UTILITY PATENT APPLICATION**

Patent Application Title: **Dynamic Battery Management**

the patent application for which:

☒ is being filed concurrently herewith, Application Number to be assigned by the USPTO, or  
☐ was filed on \_\_\_\_\_ as United States Application Number \_\_\_\_\_ or PCT International  
Application Number \_\_\_\_\_.

Declaration of Inventor

As a below named inventor, I hereby declare that:

- A. I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application;
- B. The above-identified application was made or authorized to be made by me; and
- C. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement, I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc., with a place of business at One Verizon Way,  
Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Pulkait Jain

Mailing Address: E-76, Ashok Vihar, Phase-1, Delhi-110052, INDIA

Signature: P Jain Date: 11/26/2013

**DECLARATION AND ASSIGNMENT  
FOR UTILITY PATENT APPLICATION**

Patent Application Title: **Dynamic Battery Management**

the patent application for which:

☒ is being filed concurrently herewith, Application Number to be assigned by the USPTO, or  
☐ was filed on \_\_\_\_\_ as United States Application Number \_\_\_\_\_ or PCT International  
Application Number \_\_\_\_\_.

Declaration of Inventor

As a below named inventor, I hereby declare that:

- A. I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application;
- B. The above-identified application was made or authorized to be made by me; and
- C. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement, I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

VZ Docket No.: 20130629 (050108-0796)

C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc., with a place of business at One Verizon Way,  
Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Sireesh Chandra Mutharaju

Mailing Address: Door No.5, 2nd Main Road, Indira Nagar, Adyar, Chennai - 600 020, TN, India

Signature: M. Sireesh Chandra Date: 26 - Nov - 13

**DECLARATION AND ASSIGNMENT  
FOR UTILITY PATENT APPLICATION**

Patent Application Title: **Dynamic Battery Management**

the patent application for which:

☒ is being filed concurrently herewith, Application Number to be assigned by the USPTO, or  
☐ was filed on \_\_\_\_\_ as United States Application Number \_\_\_\_\_ or PCT International  
Application Number \_\_\_\_\_.

Declaration of Inventor

As a below named inventor, I hereby declare that:

- A. I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application;
- B. The above-identified application was made or authorized to be made by me; and
- C. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement, I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc., with a place of business at One Verizon Way,  
Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Full legal name of Inventor: Sravan C. Reddy

Mailing Address: 13 A MLA's Colony, Road No 12, Banjara Hills, Hyderabad, 500034, India

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

*Sravan C. Reddy*

*26th Nov 2013*