

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4143665

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
COMERICA BANK, AS AGENT		11/14/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	POWERGENIX SYSTEMS, INC.	
<b>Street Address:</b>	10109 CARROLL CANYON ROAD	
<b>City:</b>	SAN DIEGO	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	92131	
<b>PROPERTY NUMBERS Total: 52</b>		
<b>Property Type</b>	<b>Number</b>	
Patent Number:	9048488	
Patent Number:	8597379	
Patent Number:	8372542	
Patent Number:	8043748	
Application Number:	13549322	
Application Number:	12903004	
Application Number:	13722815	
Application Number:	14150456	
Application Number:	14168654	
Application Number:	13753299	
Application Number:	13250729	
Application Number:	13250217	
Patent Number:	5291116	
Patent Number:	5493196	
Patent Number:	5379502	
Patent Number:	5411821	
Patent Number:	5339873	
Patent Number:	5621297	
Patent Number:	5646504	
Patent Number:	5523668	

PATENT

Property Type	Number
Patent Number:	5629601
Patent Number:	5544681
Patent Number:	6949310
Patent Number:	6790559
Patent Number:	6818350
Patent Number:	6801017
Patent Number:	6811926
Patent Number:	6787265
Patent Number:	6835499
Patent Number:	6797433
Patent Number:	7255720
Patent Number:	7829221
Patent Number:	7833663
Patent Number:	7033700
Application Number:	11116113
Patent Number:	7550230
Application Number:	11367028
Application Number:	11598153
Patent Number:	7816035
Patent Number:	7931988
Application Number:	11978209
Application Number:	11978213
Application Number:	12365358
Patent Number:	8048558
Patent Number:	8048566
Application Number:	12467993
Patent Number:	7816030
Application Number:	12523529
Application Number:	12852345
Application Number:	12877841
Application Number:	12900206
Application Number:	13069879

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<b>ATTORNEY DOCKET NUMBER:</b>	I0113-0228
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<b>NAME OF SUBMITTER:</b>	PHILIP NULUD
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<b>SIGNATURE:</b>	/PHILIP NULUD/
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<b>DATE SIGNED:</b>	11/15/2016
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**Total Attachments: 5**

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RELEASE AND REASSIGNMENT OF  
PATENTS

November 14 2016

Reference is hereby made to (i) that certain Intellectual Property Security Agreement, dated as of October 31, 2011, executed by POWERGENIX SYSTEMS, INC., a Delaware corporation, as Borrower ("Grantor"), whose address is 10109 Carroll Canyon Road, San Diego, CA 92131, in favor of COMERICA BANK, as Agent ("Bank"), whose address is 39200 Six Mile Road, Mail Code 7578, Livonia, MI 48152, which was recorded in the United States Patent and Trademark Office ("USPTO") on October 31, 2011 at Reel 027150, Frame 0001, and (ii) that certain First Amendment to Intellectual Property Security Agreement dated as of September 12, 2014, executed by the Grantor in favor of the Bank, which was recorded in the USPTO on April 13, 2016 at Reel 038428, Frame 0637, (each, an "Agreement" and collectively, the "Agreements"), and pursuant to which the Grantor assigned and granted to Bank, a security interest in and to all of Grantor's right, title and interest in and to among others, certain patents, including those patents and patent applications specifically listed on Exhibit A attached hereto (the "Patents"); and

WHEREAS, Bank wishes to terminate the Agreements and release, retransfer and reassign to Grantor, without representation or warranty, all of Bank's right, title and interest in and to the Patents; and

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Bank hereby terminates each Agreement, releases, retransfers and reassigns to Grantor, without representation or warranty, all of Bank's right, title and interest in and to the Patents therewith, and authorizes and requests that the USPTO note and record the existence of the release hereby given.

IN WITNESS WHEREOF, Bank has executed this Release and Reassignment of Patents as of the date first above written.

COMERICA BANK  
("Bank")

By: 

Name: HELENE DAVATZ

Title: FIRST VICE PRESIDENT

## Exhibit A

### Patents

Description	Patent #	Matter #	Application #	Issued	Filed	Expiration
Method of manufacturing nickel zinc batteries	20048003 0693.3	PWRGP001CN		7/29/2009	8/17/2004	8/17/2024
Method of manufacturing nickel zinc batteries		PWRGP001 DIUS	12/900,206		10/7/2010	8/17/2024
Method of manufacturing nickel zinc batteries	7,833,663	PWRGP001US	10/921,062	11/16/2010	8/17/2004	8/17/2024
Method of manufacturing nickel zinc batteries		PWRGP001X1C1	11/978,209		10/26/2007	8/17/2024
Method of manufacturing nickel zinc batteries		PWRGP001X1C2 US	11/978,213		10/26/2007	8/17/2024
Method of manufacturing nickel zinc batteries		PWRGP001X1CN D1	11/367,028		3/1/2006	3/1/2026
Neg electrode form for low toxicity zi electrode having additives w/redox potentials neg to zi potential	1340273	PWRGP002DE		5/13/2009	11/7/2001	11/7/2021
Neg electrode form for low toxicity zi electrode having additives w/redox potentials neg to zi potential	1340273	PWRGP002FR		5/13/2009	11/7/2001	11/7/2021
Neg electrode form for low toxicity zi electrode having additives w/redox potentials neg to zi potential	1340273	PWRGP002GB		5/13/2009	11/7/2001	11/7/2021
Neg electrode form for low toxicity zi electrode having additives w/redox potentials neg to zi potential	4605988	PWRGP002JP		10/15/2010	11/7/2021	11/7/2021
Neg electrode form for low toxicity zi electrode having additives w/redox potentials neg to zi potential	6,797,433	PWRGP002US	10/429,725	9/28/2004	5/6/2003	11/7/2021
Charger for rechargeable nickel-zinc battery	6,801,017	PWRGP003US	10/429,692	10/5/2004	5/6/2003	11/7/2021
Form of zi neg electrode for rechrglb cells having an alkaline electrolyte	7,033,700	PWRGP004C1US	10/980,124	4/25/2006	11/1/2004	11/7/2021
Form of zi neg electrode for rechrglb cells having an alkaline electrolyte	1340272	PWRGP004DE		3/21/2007	11/7/2001	11/7/2021
Form of zi neg electrode for rechrglb cells having an alkaline electrolyte	1340272	PWRGP004FR		3/21/2007	11/7/2001	11/7/2021
Form of zi neg electrode for rechrglb cells having an alkaline electrolyte	1340272	PWRGP004GB		3/21/2007	11/7/2001	11/7/2021
Form of zi neg electrode for rechrglb cells having an alkaline electrolyte	6,811,926	PWRGP004US	10/429,693	11/2/2004	5/6/2003	11/7/2021

Description	Patent #	Matter #	Application #	Issued	Filed	Expiration
Pos & neg interactive electrode form for a zi-containing cell having an alkaline electrolyte	1340283	PWRGP005DE		10/20/2010	11/7/2001	11/7/2021
Pos & neg interactive electrode form for a zi-containing cell having an alkaline electrolyte	1340283	PWRGP005FR		10/20/2010	11/7/2021	11/7/2021
Pos & neg interactive electrode form for a zi-containing cell having an alkaline electrolyte	1340283	PWRGP005GB		10/20/2010	11/7/2001	11/7/2021
Pos & neg interactive electrode form for a zi-containing cell having an alkaline electrolyte	4605989	PWRGP005JP		10/15/2010	11/7/2001	11/7/2021
Pos & neg interactive electrode form for a zi-containing cell having an alkaline electrolyte	6,787,265	PWRGP005US	10/429,711	9/7/2004	5/6/2003	11/7/2021
Cobalt containing positive electrode formulation for a nickel-zinc cell	7,829,221	PWRGP005X1US	10/889,593	11/9/2010	7/26/2004	11/7/2021
Neg electrode formula for a low toxicity zi electrode having additives w/redox poten pos to zi potential	4388276	PWRGP006JP		10/9/2009	11/7/2001	11/7/2021
Neg electrode formula for a low toxicity zi electrode having additives w/redox poten pos to zi potential	6,835,499	PWRGP006US	10/429,712	12/28/2004	5/6/2003	11/7/2021
Leak proof pressure relief valve for secondary batteries	6,949,310	PWRGP007US	10/098,193	9/27/2005	3/15/2002	3/15/2022
Alkaline cells having positive nickel hydroxide electrodes with fluoride salt additives	6,790,559	PWRGP008US	10/098,194	9/14/2004	3/15/2002	3/15/2022
Alkaline cells having low toxicity rechargeable zinc electrodes	RE40,727	PWRGP009R1US	11/598,153	11/16/2004	11/9/2006	3/15/2022
Alkaline cells having low toxicity rechargeable zinc electrodes	6,818,350	PWRGP009US	10/098,195	11/16/2004	3/15/2002	3/15/2022
Methods for production of zinc oxide electrodes for alkaline batteries	7,816,035	PWRGP010D1US	11/820,813	10/19/2010	6/20/2007	3/15/2022
Methods for production of zinc oxide electrodes for alkaline batteries	7,255,720	PWRGP010US	10/471,485	8/14/2007	9/11/2003	3/15/2022
Process and apparatus for charging a battery	5,621,297	PWRGP019C1US	08/188,444	4/15/1997	1/28/1994	4/15/2014
Apparatus for charging alkaline zinc-manganese dioxide cells	5,291,116	PWRGP019X1US	07/950,066	3/1/1994	9/23/1992	1/27/2012
Battery charger for charging alkaline zinc/mananese dioxide cells	5,493,196	PWRGP019X2US	08/027,386	2/20/1996	3/8/1993	2/20/2013
Nicd/nimb battery charger	5,523,668	PWRGP020US	08/228,393	6/4/1996	4/15/1994	4/15/2014
Magnetically balanced multi-output battery charging system	5,646,504	PWRGP021US	08/228,341	7/8/1997	4/15/1994	7/8/2014
Integral battery electrode structure for lead/acid batteries	5,411,821	PWRGP022US	08/074,361	5/2/1995	6/10/1993	6/10/2013

Description	Patent #	Matter #	Application #	Issued	Filed	Expiration
Methods for fabricating battery plates for lead/acid batteries	5,379,502	PWRGP023US	08/074,358	1/10/1995	6/10/1993	6/10/2013
Cored battery plates for lead/acid batteries	5,544,681	PWRGP024D1US	08/252,644	8/13/1996	6/1/1994	8/13/2013
Cored battery plates for lead/acid batteries	5,339,873	PWRGP024US	08/074,363	8/23/1994	6/10/1993	6/10/2013
Compound battery charging system	5,629,601	PWRGP025US	08/228,874	5/13/1997	4/18/1994	5/13/2014
Nickel zinc battery design		PWRGP030US	11/116,113		4/26/2005	4/26/2025
Nickel zinc battery design	1878072	PWRGP030X1EP		7/27/2011	4/25/2006	4/25/2026
Electrolyte composition for nickel- zinc batteries	7,816,030	PWRGP031C1US	12/476,166	10/19/2010	6/1/2009	11/7/2021
Electrolyte composition for nickel- zinc batteries	20071009 2303.0	PWRGP031CN		12/8/2010	1/31/2007	1/31/2027
Electrolyte composition for nickel- zinc batteries	1819002	PWRGP031DE		7/29/2009	1/31/2007	1/31/2027
Electrolyte composition for nickel- zinc batteries	1819002	PWRGP031FR		7/29/2009	1/31/2007	1/31/2027
Electrolyte composition for nickel- zinc batteries	1819002	PWRGP031GB		7/29/2009	1/31/2007	1/31/2027
Electrolyte composition for nickel- zinc batteries	7,550,230	PWRGP031US	11/346,861	6/23/2009	2/1/2006	11/7/2027
Metallic zinc-based current collector		PWRGP033US	12/523,529		7/16/2009	2/8/2028
Tin and tin-zinc plated substrates to improve ni-zn cell performance		PWRGP034D1US	13/069,879		3/23/2011	10/5/2027
Tin and tin-zinc plated substrates to improve ni-zn cell performance	7,931,988	PWRGP034US	11/868,337	4/26/2011	10/5/2007	10/5/2027
Pasted nickel hydroxide electrode for rechargeable nickel-zinc batteries		PWRGP035US	12/365,358		2/4/2009	2/4/2029
Nickel hydroxide electrode for rechargeable batteries	1	PWRGP035X1US	12/432,639		4/29/2009	2/4/2029
Cylindrical nickel-zinc cell with negative can		PWRGP036US	12/411,282		3/25/2009	4/26/2025
Cylindrical nickel-zinc cell with negative can		PWRGP041US	12/903,004		10/12/2010	10/12/2030
Pasted zinc electrode for rechargeable nickel-zinc batteries		PWRGP037US	12/467,993		5/18/2009	5/18/2029
Carbon fiber zinc negative electrode		PWRGP039US	12/852,345		8/6/2010	8/6/2030
Heat sealing separators for nickel-zinc cells		PWRGP040US	12/877,841		9/8/2010	9/8/2030
Method of manufacturing...	200910150533.7	PWGP001CND1		5/30/2012	8/17/2004	8/17/2024
Method of manufacturing...	201010286502.7	PWRGP001X1CND1		9/26/2012	3/1/2006	3/1/2026
Positive and negative inter	4605989	PWRGP005JP		10/15/2010	11/7/2001	11/7/2021
Negative electrode format..	4388275	PWRGP006JP		10/9/2009	11/7/2001	11/7/2021
Nickel zinc battery design	200680014124.9	PWRGP030X1CN		11/14/2012	4/25/2006	4/25/2026

Description	Patent #	Matter #	Application #	Issued	Filed	Expiration
Nickel zinc battery design	1878072	PWRGP030X1DE		7/27/2011	4/25/2006	4/25/2026
Nickel zinc battery design	1878072	PWRGP030X1FR		7/27/2011	4/25/2006	4/25/2026
Metallic zinc based curr...	2130247	PWRGP033DE		4/10/2013	2/8/2008	2/8/2028
Metallic zinc based curr...	2130247	PWRGP033FR		4/10/2013	2/8/2008	2/8/2028
Metallic zinc based curr...	2130247	PWRGP033GB		4/10/2013	2/8/2008	2/8/2028
Tin and tin-zinc plated sub...	2215676	PWRGP034DE		6/27/2012	9/30/2008	9/30/2028
Tin and tin-zinc plated sub...	2215676	PWRGP034FR		6/27/2012	9/30/2008	9/30/2028
Tin and tin-zinc plated sub...	2215676	PWRGP034GB		6/27/2012	9/30/2008	9/30/2028
Tin and tin-zinc plated sub...	5205466	PWRGP034JP		2/22/2013	9/30/2008	9/30/2028
Heat Sealing separators..		PWRGP041X1US	13/549322	7/13/2012		
Cylindrical nickel zinc cell with positive can		PWRGP041US	12/903004	10/12/2010		
Controlling battery states of charge in systems having separate power sources		PWRGP042WO	pct/us2012/071024 13/722,815	12/20/2012		
Pasted nickel hydroxide electrode and additives for rechargeable alkaline cells		PWRGP043PUS	14/150,456	1/08/2014		
Pasted zinc electrode for rechargeable nickel-zinc	9,048,488			6/2/2015		
Method of selectively heat sealing separators for nickel zinc cells	8,597,379			12/3/2013		
Tin and tin-zinc plated substrates including Cu.sub.3Sn and Cu.sub.6Sn. sub.5 to improve Ni-Zn cell performance	8,372,542			2/12/2013		
Pasted nickel hydroxide electrode for rechargeable nickel-zinc batteries	8,043,748			10/25/2011		
CYLINDRICAL NICKEL-ZINC CELL WITH POSITIVE CAN			14/168654	1/30/2014		
NICKEL-ZINC RECHARGEABLE PENCIL BATTERY			13/753299	1/29/2013		
NICKEL HYDROXIDE ELECTRODE FOR RECHARGEABLE BATTERIES			13/250729	9/30/2011		
PASTED NICKEL HYDROXIDE ELECTRODE FOR RECHARGEABLE NICKEL-ZINC BATTERIES			13/250217	9/30/2011		