

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT7307448

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
KINETIC TECHNOLOGIES		02/05/2021
RECEIVING PARTY DATA		
Name:	KINETIC TECHNOLOGIES INTERNATIONAL HOLDINGS LP	
Street Address:	100 KING STREET WEST, SUITE 6000	
City:	TORONTO, ONTARIO	
State/Country:	CANADA	
Postal Code:	M5X 1E2	
PROPERTY NUMBERS Total: 85		
Property Type	Number	
Application Number:	16662626	
Application Number:	16808283	
Application Number:	16907648	
Application Number:	60665766	
Application Number:	61972923	
Application Number:	62011401	
Application Number:	62098744	
Application Number:	62101192	
Application Number:	62105354	
Application Number:	62274554	
Application Number:	62329792	
Application Number:	62536598	
Application Number:	62536601	
Application Number:	62570879	
Application Number:	62573464	
Application Number:	62574060	
Application Number:	62580619	
Patent Number:	7620825	
Patent Number:	7469348	
Patent Number:	7500116	

PATENT

Property Type	Number
Patent Number:	9191216
Patent Number:	7560825
Patent Number:	7368798
Patent Number:	7500118
Patent Number:	7685452
Patent Number:	7761719
Patent Number:	7706392
Patent Number:	7797558
Patent Number:	7706112
Patent Number:	7701731
Patent Number:	7864546
Patent Number:	7855866
Patent Number:	7964993
Patent Number:	7923710
Patent Number:	9185834
Patent Number:	9189036
Patent Number:	7921308
Patent Number:	7732889
Patent Number:	8050315
Patent Number:	7610422
Patent Number:	7899968
Patent Number:	7965480
Patent Number:	7839097
Patent Number:	9197423
Patent Number:	7898825
Patent Number:	8400230
Patent Number:	8482216
Patent Number:	7921252
Patent Number:	9306059
Patent Number:	9742390
Patent Number:	9673319
Patent Number:	10129019
Patent Number:	10212658
Patent Number:	10069417
Patent Number:	10757484
Patent Number:	10429882
Patent Number:	10241949
Patent Number:	10727745

Property Type	Number
Patent Number:	10847461
Patent Number:	10367419
Patent Number:	10461918
Patent Number:	10713192
Patent Number:	10585837
Patent Number:	10798653
Application Number:	16444555
Application Number:	16662538
Application Number:	17016253
Application Number:	16918711
Application Number:	16933250
PCT Number:	US2015023517
PCT Number:	US2015067629
PCT Number:	US2016012416
PCT Number:	US2017029753
PCT Number:	US2017053602
PCT Number:	US2017068524
PCT Number:	US2006032503
PCT Number:	US2007025425
PCT Number:	US2007066270
PCT Number:	US2007070130
PCT Number:	US2007073910
PCT Number:	US2007085454
PCT Number:	US2007088215
PCT Number:	US2008063971
PCT Number:	US2020057204
PCT Number:	US2020057211

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 50VF-240042

NAME OF SUBMITTER:	WEIGUO CHEN
SIGNATURE:	/Weiguo Chen/
DATE SIGNED:	04/30/2022
Total Attachments: 6 source=Assignment_KineticTech-KineticTechIntl#page1.tif source=Assignment_KineticTech-KineticTechIntl#page2.tif source=Assignment_KineticTech-KineticTechIntl#page3.tif source=Assignment_KineticTech-KineticTechIntl#page4.tif source=Assignment_KineticTech-KineticTechIntl#page5.tif source=Assignment_KineticTech-KineticTechIntl#page6.tif	

Patent Assignment

This Patent Assignment (this “Assignment”) with an effective date of December 31, 2020 (the “Effective Date”) by Kinetic Technologies, a company duly authorized under the laws of Cayman Islands (hereinafter the “Assignor”) witnesseth:

WHEREAS, Assignor is the owner of certain rights, title and interest in and to the patents, patent applications, design registrations, and design applications as set forth on Schedule A hereto (hereinafter the “Patents and Applications”);

WHEREAS, Kinetic Technologies International Holdings LP, a company duly organized under and pursuant to the laws of Canada and having an address at 100 King Street West, Suite 6000, Toronto, Ontario, Canada, M5X 1E2 (hereinafter the “Assignee”), is desirous of acquiring Assignor’s entire right, title and interest in and to said Patents and Applications, and in and to any Letters Patent or Patents to be obtained therefor and thereon;

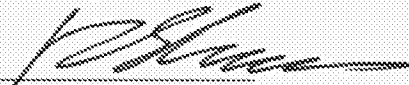
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, Assignor has as of the Effective Date sold, assigned, transferred and conveyed, and does hereby sell, assign, transfer and convey, unto Assignee, all of Assignor’s rights, titles and interests in and to the Patents and Applications, and any and all Letters Patent or Patents in all countries and regions which may be granted therefor and thereon, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor, had this sale and assignment not been made. Assignor does hereby sell, assign, transfer, and convey to Assignee, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to Assignee, or may accrue hereafter including, but not limited to, the right to sue for, collect, and retain damages for past, present and future infringement of the said Patents and Applications before or after issuance.

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IN TESTIMONY WHEREOF, this Assignment is signed by the following duly authorized signatories of the Assignor and Assignee respectively, on this 5 day of February, 2021.

Assignor

Kinetic Technologies

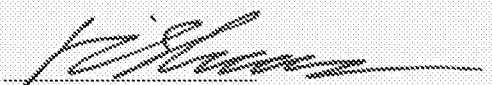
Signature: 

Name: Kin Shum

Title: Chief Executive Officer

Assignee

Kinetic Technologies International Holdings LP

Signature: 

Name: Kin Shum

Title: Chief Executive Officer of Kinetic Technologies, the General Partner of Kinetic Technologies International Holdings LP

PATENT

REEL: 059852 FRAME: 0233

Schedule A

Patents and Applications

PATENT

REEL: 059852 FRAME: 0234

SMRH MATTER NUMBER	TITLE	COUNTRY	APPLICATION NUMBER	FILING DATE	PUBLICATION NUMBER	PUBLICATION DATE	PATENT NUMBER	GRANT DATE
50VF-241016-CN	POWER SEMICONDUCTOR TRANSISTOR WITH IMPROVED GATE CHARGE	CN	2015101180843	03/18/2015	104934477	09/23/2015	ZL 201510118084.3	11/19/2019
50VF-241020-CN	DC-DC CONVERTER WITH IMPROVED DISCONTINUOUS CONDUCTION MODE EFFICIENCY	CN	2015103249716	06/12/2015	105305819	02/03/2016	ZL201510324971.6	01/08/2019
50VF-309833-CN	DP HDCP VERSION CONVERTER	CN	2015800180539	03/31/2015	CN106537837A	03/22/2017	ZL201580018053.9	06/28/2019
50VF-309844-CN	TRANSMISSION DEVICE, DP SOURCE DEVICE, RECEPTION DEVICE, AND DP SINK DEVICE	CN	2016800052094	01/07/2016	CN107408082A	11/28/2017	ZL201680005209.4	09/04/2020
50VF-250685-CN	POWER CONVERSION DEVICE WITH INTEGRATED DISCRETE INDUCTOR	CN	2017100020263	01/03/2017	106941319	07/11/2017	ZL 201710002026.3	07/05/2019
50VF-305238-CN	POWER SEMICONDUCTOR TRANSISTOR WITH IMPROVED GATE CHARGE	CN	2019110058694	03/18/2015				
50VF-309838-CN	CLOCK GENERATOR AND PROCESSOR SYSTEM	CN	2015800719506	12/28/2015	CN107430413A	12/01/2017		
50VF-292860-CN	Systems and Methods for Power Control	CN	2017800605754	09/27/2017	109891703	06/14/2019		
50VF-274658-CN	System and Methods for Providing Intelligent Constant On-Time Control	CN	2018108013135	07/20/2018	109302061	02/01/2019		
50VF-244808-HK	DC-DC CONVERTER WITH IMPROVED DISCONTINUOUS CONDUCTION MODE	HK	161092214	08/02/2016	1221339A	05/26/2017	HK1221339	02/28/2020
50VF-266343-HK	POWER CONVERSION DEVICE WITH INTEGRATED DISCRETE INDUCTOR	HK	181001846	01/03/2017	1240715	05/25/2018	HK1240715	08/14/2020
50VF-241017-HK	POWER SEMICONDUCTOR TRANSISTOR WITH IMPROVED GATE CHARGE	HK	161033626	03/23/2016	1215469A	08/26/2016		
50VF-309834-JP	DP HDCP VERSION CONVERTER	JP	2016559197	03/31/2015	2017-517911	06/29/2017	6454353	12/21/2018
50VF-309845-JP	TRANSMISSION DEVICE, DP SOURCE DEVICE, RECEPTION DEVICE, AND DP SINK DEVICE	JP	2017531718	01/07/2016	2018-508846	03/29/2018	6514333	04/19/2019
50VF-241015-KR	POWER SEMICONDUCTOR TRANSISTOR WITH IMPROVED GATE CHARGE	KR	1020150036202	03/16/2015			10-1925668	11/29/2018
50VF-250686-KR	POWER CONVERSION DEVICE WITH INTEGRATED DISCRETE INDUCTOR	KR	1020170000929	01/03/2017			10-1931868	12/17/2018
50VF-292861-KR	SYSTEMS AND METHODS FOR POWER CONTROL	KR	1020197012420	09/27/2017			10-2091366	03/13/2020
50VF-274659-KR	System and Methods for Providing Intelligent Constant On-Time Control	KR	1020180086081	07/24/2018				
50VF-317900-KR	TWO-PHASE BOOST CONVERTER WITH REDUCED VOLTAGE STRESS ON SWITCH AND INHERENT CURRENT BALANCING	KR	1020200073178	06/16/2020				
50VF-310180-KR	SYSTEMS AND METHODS FOR POWER CONTROL	KR	1020207007491	09/27/2017				
50VF-250687-TW	POWER CONVERSION DEVICE WITH INTEGRATED DISCRETE INDUCTOR	TW	106100207	01/04/2017	201729397	08/16/2017	I613790	02/01/2018
50VF-274660-TW	System and Methods for Providing Intelligent Constant On-Time Control	TW	107125717	07/25/2018	201918003	05/01/2019	I698079	07/01/2020
50VF-317044-TW	System and Methods for Providing Intelligent Constant On-Time Control	TW	109118463	07/25/2018				
50VF-302507-US	ADAPTIVE ON-TIME DC-TO-DC BUCK REGULATORS WITH CONSTANT SWITCHING FREQUENCY	US	16662626	10/24/2019				
50VF-309974-US	DATA TRANSMISSION METHOD AND DATA TRANSMISSION SYSTEM	US	16808283	03/03/2020	US-2020-0257645-A1	08/13/2020		
50VF-317045-US	SYSTEMS AND METHODS FOR PROVIDING INTELLIGENT CONSTANT ON-TIME CONTROL	US	16907648	06/22/2020	US-2020-0321864-A1	10/08/2020		
50VF-241402-P	SYSTEMS AND METHODS OPERABLE TO ALLOW LOOP POWERING OF NETWORKED DEVICES	US	60665766	03/28/2005				
50VF-309830-P	SIMPLIFICATION OF DP-IN, DP-OUT HDCP VERSION CONVERTER WITH MST SUPPORT	US	61972923	03/31/2014				
50VF-241018-P	DC-DC CONVERTER WITH IMPROVED DISCONTINUOUS CONDUCTION MODE EFFICIENCY	US	62011401	06/12/2014				
50VF-309835-P	CONTENT PROTECTION PROCESSOR CLOCK MODULATION METHOD	US	62098744	12/31/2014				
50VF-309840-P	DISPLAYPORT PROTOCOL TUNNELING OVER USB3.1 ENHANCED SUPERSPEED GEN 2 BIT RATE PHY	US	62101192	01/08/2015				
50VF-309841-P	DISPLAYPORT PROTOCOL TUNNELING OVER USB3.1 ENHANCED SUPERSPEED GEN 2 BIT RATE PHY	US	62105354	01/20/2015				
50VF-241021-P	POWER CONVERSION DEVICE WITH INTEGRATED DISCRETE INDUCTOR	US	62274554	01/04/2016				
50VF-309846-P	SEPARATE-REFERENCE-TO-BIT-LEVEL RETIMER	US	62329792	04/29/2016				
50VF-252446-P	System and Methods for Providing Intelligent Constant On-Time Control	US	62536598	07/25/2017				
50VF-253686-P	Systems and Methods for Power Management	US	62536601	07/25/2017				
50VF-309849-P	DP LINK RATE DOUBLING/HALVING BIT-LEVEL RETIMERS	US	62570879	10/11/2017				
50VF-309851-P	DP CHANNEL CODING EFFICIENCY ENHANCEMENT	US	62573464	10/17/2017				
50VF-309852-P	DP CHANNEL CODING EFFICIENCY ENHANCEMENT	US	62574060	10/18/2017				
50VF-309853-P	DP CHANNEL CODING EFFICIENCY ENHANCEMENT	US	62580619	11/02/2017				
50VF-241405-US	SYSTEMS AND METHODS OPERABLE TO ALLOW LOOP POWERING OF NETWORKED DEVICES	US	11207601	08/19/2005	US-2009-0265563-A1	10/22/2009	7,620,825	11/17/2009

50VF-241404-US	METHOD FOR DYNAMIC INSERTION LOSS CONTROL FOR 10/100/1000 MHZ ETHERNET SIGNALING	US	11207602	08/19/2005	US-2006-0238250-A1	10/26/2016	7,469,348	12/23/2008
50VF-241406-US	METHOD TO CONTROL CURRENT IMBALANCE BETWEEN DIFFERENTIAL PAIRS PROVIDING A DC POWER FEED	US	11209950	08/23/2005	US-2006-0218418-A1	09/28/2006	7,500,116	03/03/2009
50VF-241408-US	SOLID STATE TRANSFORMER-LESS METHOD TO FEED HIGH BANDWIDTH DATA AND POWER SIGNALS FROM A NETWORK ATTACHED POWER SOURCING DEVICE	US	11249246	10/13/2005	US-2006-0251339-A1	09/28/2006	9,191,216	11/17/2015
50VF-241416-US	NETWORK DEVICES FOR SEPARATING POWER AND DATA SIGNALS	US	11279322	04/11/2006	US-2007-0236853-A1	10/11/2007	7,560,825	07/14/2009
50VF-241411-US	INTEGRATED DC/DC CONVERTER SUBSTRATE CONNECTIONS	US	11282804	11/18/2005	US-2006-0214253-A1	09/28/2006	7,368,798	05/06/2008
50VF-241410-US	NETWORK DEVICE WITH POWER POTENTIAL RECTIFIER	US	11284998	11/21/2005	US-2006-0238252-A1	10/26/2006	7,500,118	03/03/2009
50VF-241412-US	METHOD FOR HIGH VOLTAGE POWER FEED ON DIFFERENTIAL CABLE PAIRS FROM A NETWORK ATTACHED POWER SOURCING DEVICE	US	11287408	11/23/2005	US-2006-0218420-A1	09/28/2006	7,685,452	03/23/2010
50VF-242011-US	ETHERNET MODULE	US	11445084	05/31/2006	US-2007-0041577-A1	02/22/2007	7,761,719	07/20/2010
50VF-242007-US	DYNAMIC POWER MANAGEMENT IN A POWER OVER ETHERNET SYSTEM	US	11464175	08/11/2006	US-2007-0041387-A1	02/22/2007	7,706,392	04/27/2010
50VF-242024-US	POWER OVER ETHERNET WITH ISOLATION	US	11562899	11/22/2006	US-2007-0121832-A1	05/31/2007	7,797,558	09/14/2010
50VF-241997-US	ACTIVE CLAMP PROTECTION DEVICE	US	11613156	12/19/2006	US-2008-0144241-A1	06/19/2008	7,706,112	04/27/2010
50VF-242028-US	SIGNAL COMMUNICATION ACROSS AN ISOLATION BARRIER	US	11674395	02/13/2007	US-2008-0191685-A1	08/14/2008	7,701,731	04/20/2010
50VF-242004-US	DC-DC CONVERTER WITH COMMUNICATION ACROSS AN ISOLATION PATHWAY	US	11674432	02/13/2007	US-2008-0192509-A1	08/14/2008	7,864,546	01/04/2011
50VF-242019-US	NETWORK INTERFACE WITH TRANSIENT PROTECTION APPARATUS FOR MULTIPLE GROUND PLANES	US	11678369	02/23/2007	US-2008-0144248-A1	06/19/2008	7,855,866	12/21/2010
50VF-242016-US	NETWORK DEVICES WITH SOLID STATE TRANSFORMER AND CLASS AB OUTPUT STAGE FOR ACTIVE EMI SUPPRESSION AND TERMINATION OF OPEN-DRAIN TRANSMIT DRIVERS OF A PHYSICAL DEVICE	US	11682823	03/06/2007	US-2008-0137759-A1	06/12/2008	7,964,993	06/21/2011
50VF-242006-US	DIGITAL ISOLATOR WITH COMMUNICATION ACROSS AN ISOLATION BARRIER	US	11683985	03/08/2007	US-2008-0218258-A1	09/11/2008	7,923,710	04/12/2011
50VF-242014-US	ISOLATED ETHERNET PHYSICAL LAYER (PHY)	US	11739547	04/24/2007	US-2008-0267212-A1	10/30/2008	9,185,834	11/10/2015
50VF-241418-US	ETHERNET MODULE	US	11739565	04/24/2007	US-2007-0208961-A1	09/06/2007	9,189,036	11/17/2015
50VF-242026-US	POWER SIGNAL MERGING FOR NETWORK INTERFACE DEVICES	US	11753428	05/24/2007	US-2008-0294918-A1	11/27/2008	7,921,308	04/05/2011
50VF-242002-US	CAPACITOR STRUCTURE IN A SEMICONDUCTOR DEVICE	US	11753524	05/24/2007	US-2008-0290444-A1	11/27/2008	7,732,889	06/08/2010
50VF-241011-US	OPEN COLLECTOR / OPEN DRAIN INTEGRATED BIDIRECTIONAL DIGITAL ISOLATOR	US	11881200	07/26/2007	US-2009-0028226-A1	01/29/2009	8,050,315	11/01/2011
50VF-241008-US	ISOLATION AND TRANSMISSION OF DIGITAL SIGNALS IN INTENDED DIRECTION	US	11881205	07/26/2007	US-2009-0028173-A1	01/29/2009	7,610,422	10/27/2009
50VF-241009-US	USB INTEGRATED BIDIRECTIONAL DIGITAL ISOLATOR CHANNEL ACROSS AN INTERFACE BETWEEN TWO USB DEVICES	US	11881281	07/26/2007	US-2009-0031056-A1	01/29/2009	7,899,968	03/01/2011
50VF-242008-US	ELECTROSTATIC DISCHARGE PROTECTION CIRCUIT	US	11935289	11/05/2007	US-2008-0062600-A1	03/13/2008	7,965,480	06/21/2011
50VF-245195-US	SYSTEM AND METHOD FOR WIDE-RANGE HIGH-ACCURACY-LOW-DROPOUT CURRENT REGULATION	US	12012394	01/31/2008	US-2008-0185975-A1	08/07/2008	7,839,097	11/23/2010
50VF-242009-US	ELECTROSTATIC DISCHARGE PROTECTION CIRCUIT	US	12031609	02/14/2008	US-2009-0207538-A1	08/20/2009	9,197,423	11/24/2015
50VF-242001-US	ADAPTIVE RAMP COMPENSATION FOR CURRENT MODE-DC-DC CONVERTERS	US	12054301	03/24/2008	US-2009-0237058-A1	09/24/2009	7,898,825	03/01/2011
50VF-242013-US	FREQUENCY MODULATION OF CLOCKS FOR EMI REDUCTION	US	12534044	07/31/2009	US-2011-0026655-A1	02/03/2011	8,400,230	03/19/2013
50VF-245190-US	SYSTEM AND METHOD FOR UNIFORM CONTROL OF CURRENT REGULATED OUTPUTS OVER WIDE VOLTAGE RANGES	US	12730894	03/24/2010			8,482,216	07/09/2013
50VF-241010-US	USB INTEGRATED BIDIRECTIONAL DIGITAL ISOLATOR CHANNEL ACROSS AN INTERFACE BETWEEN TWO USB DEVICES	US	13008208	01/18/2011			7,921,252	04/05/2011
50VF-241007-US	POWER SEMICONDUCTOR TRANSISTOR WITH IMPROVED GATE CHARGE	US	14220439	03/20/2014	US-2015-0270389-A1	09/24/2015	9,306,059	04/05/2016
50VF-241019-US	DC-DC CONVERTER WITH IMPROVED DISCONTINUOUS CONDUCTION MODE EFFICIENCY	US	14738413	06/12/2015	US-2015-0364998-A1	12/17/2015	9,742,390	08/22/2017
50VF-241014-US	POWER SEMICONDUCTOR TRANSISTOR WITH IMPROVED GATE CHARGE	US	15066946	03/10/2016	US-2016-0197180-A1	07/07/2016	9,673,319	06/06/2017
50VF-309832-US	DP HDCP VERSION CONVERTER	US	15278593	09/28/2016	US-2017-0019249-A1	01/19/2017	10,129,019	11/13/2018
50VF-245205-US	SYSTEMS AND METHODS FOR MANAGING COMMUNICATION BETWEEN DEVICES	US	15282722	09/30/2016	US-2018-0098278-A1	04/05/2018	10,212,658	02/19/2019
50VF-245179-US	POWER CONVERSION DEVICE WITH INTEGRATED DISCRETE INDUCTOR	US	15395708	12/30/2016	US-2017-0194861-A1	07/06/2017	10,069,417	09/04/2018
50VF-247228-US	SYSTEMS AND METHODS FOR PULSE-BASED COMMUNICATION	US	15399526	01/05/2017	US-2018-0191522-A1	07/05/2018	10,757,484	08/25/2020
50VF-309837-US	CLOCK GENERATOR AND PROCESSOR SYSTEM	US	15635421	06/28/2017	US-2017-0300081-A1	10/19/2017	10,429,882	10/01/2019
50VF-309843-US	TRANSMISSION DEVICE, DP SOURCE DEVICE, RECEPTION DEVICE, AND DP SINK DEVICE	US	15643517	07/07/2017	US-2017-0308493-A1	10/26/2017	10,241,949	03/26/2019
50VF-271433-US	SYSTEMS AND METHODS FOR PROVIDING INTELLIGENT CONSTANT ON-TIME CONTROL	US	15965257	04/27/2018	US-2019-0131873-A1	05/02/2019	10,727,745	07/28/2020

50VF-274725-US	Systems and Methods for Power Management	US	16044791	07/25/2018	US-2019-0035732-A1	01/31/2019	10,847,461	11/24/2020
50VF-274652-US	POWER CONVERSION DEVICE WITH INTEGRATED DISCRETE INDUCTOR	US	16116520	08/29/2018	US-2018-0367039-A1	12/20/2018	10,367,419	07/30/2019
50VF-309848-US	DATA TRANSMISSION SYSTEM	US	16119581	08/31/2018	US-2019-0028262-A1	01/24/2019	10,461,918	10/29/2019
50VF-309850-US	DATA TRANSMISSION SYSTEM AND DATA TRANSMISSION METHOD	US	16119988	08/31/2018	US-2019-0108148-A1	04/11/2019	10,713,192	07/14/2020
50VF-309854-US	DATA TRANSMISSION METHOD AND DATA TRANSMISSION SYSTEM	US	16120735	09/04/2018	US-2019-0114282-A1		10,585,837	03/10/2020
50VF-292859-US	SYSTEMS AND METHODS FOR MANAGING COMMUNICATION BETWEEN DEVICES	US	16266458	02/04/2019	US-2019-0174409-A1	06/06/2019	10,798,653	10/06/2020
50VF-298342-US	TWO-PHASE BOOST CONVERTER WITH REDUCED VOLTAGE STRESS, AND INHERENT CURRENT BALANCING	US	16444555	06/18/2019				
50VF-300730-US	SWITCHING VOLTAGE REGULATORS WITH PHASE-LOCK LOOPS AND LOCK RANGE EXTENSION	US	16662538	10/24/2019				
50VF-320357-US	SYSTEMS AND METHODS FOR MANAGING COMMUNICATION BETWEEN DEVICES	US	17016253	09/09/2020				
50VF-318454-US	DATA TRANSMISSION METHOD AND DATA TRANSMISSION SYSTEM	US	16918711	07/01/2020	US-2020-0334181-A1	10/22/2020		
50VF-318988-US	SYSTEMS AND METHODS FOR PULSE-BASED COMMUNICATION	US	16933250	07/20/2020	US-2020-0351575-A1	11/05/2020		
50VF-309831-WO	DP HDCP VERSION CONVERTER	WO	PCTUS2015023517	03/31/2015	WO/2015/153561	10/08/2015		
50VF-309836-WO	CLOCK GENERATOR AND PROCESSOR SYSTEM	WO	PCTUS2015067629	12/28/2015	WO/2016/109407	07/07/2016		
50VF-309842-WO	TRANSMISSION DEVICE, DP SOURCE DEVICE, RECEPTION DEVICE, AND DP SINK DEVICE	WO	PCTUS2016012416	01/07/2016	WO/2016/112152	07/14/2016		
50VF-309847-WO	DATA TRANSMISSION METHOD AND DATA TRANSMISSION SYSTEM	WO	PCTUS2017029753	04/27/2017	WO/2017/189796	11/02/2017		
50VF-263221-WO	Systems and Methods for Power Control	WO	PCTUS2017053602	09/27/2017	WO 2018/064102	04/05/2018		
50VF-266325-WO	Systems and Methods for Pulse-Based Communication	WO	PCTUS2017068524	12/27/2017	WO 2018/128890	07/12/2018		
50VF-241407-WO	SYSTEMS AND METHODS OPERABLE TO ALLOW LOOP POWERING OF NETWORKED DEVICES	WO	PCTUS2006032503	08/17/2006	WO/2007/030303	03/15/2007		
50VF-242018-WO	NETWORK DEVICES WITH SOLID STATE TRANSFORMER THAT PROVIDES TERMINATION OF OPEN-DRAIN TRANSMIT DRIVERS OF A PHYSICAL LAYER MODULE	WO	PCTUS2007025425	12/11/2007	WO/2008/073467	06/19/2008		
50VF-241417-WO	NETWORK DEVICES FOR SEPARATING POWER AND DATA SIGNALS	WO	PCTUS2007066270	04/09/2007	WO/2007/121148	10/25/2007		
50VF-242012-WO	ETHERNET MODULE	WO	PCTUS2007070130	05/31/2007	WO/2007/140467	12/06/2007		
50VF-242020-WO	OVER-VOLTAGE PROTECTION CIRCUIT	WO	PCTUS2007073910	07/19/2007	WO/2008/011529	01/24/2008		
50VF-242025-WO	POWER OVER ETHERNET WITH ISOLATION	WO	PCTUS2007085454	11/21/2007	WO/2008/064348	05/29/2008		
50VF-241998-WO	ACTIVE CLAMP PROTECTION DEVICE	WO	PCTUS2007088215	12/19/2007	WO/2008/077129	06/26/2008		
50VF-242027-WO	POWER SIGNAL MERGING FOR NETWORK INTERFACE DEVICES	WO	PCTUS2008063971	05/16/2008	WO/2008/147734	12/04/2008		
50VF-322391-WO	SWITCHING VOLTAGE REGULATORS WITH PHASE-LOCK LOOPS	WO	PCTUS2020057204	10/23/2020				
50VF-322392-WO	ADAPTIVE ON-TIME DC-TO-DC BUCK REGULATORS WITH CONSTANT SWITCHING FREQUENCY	WO	PCTUS2020057211	10/23/2020				