

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4924387

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
ENDURTECH (HONG KONG) LIMITED		02/23/2018
RECEIVING PARTY DATA		
Name:	CHAOYANG SEMICONDUCTOR JIANGYIN TECHNOLOGY CO. LTD.	
Street Address:	YANGGUANG INDUSTRIAL PARK	
City:	XINQIAO, JIANGYIN, JIANGSU PROVINCE	
State/Country:	CHINA	
PROPERTY NUMBERS Total: 47		
Property Type	Number	
Patent Number:	9859793	
Patent Number:	9515553	
Patent Number:	9762124	
Patent Number:	9768691	
Patent Number:	9502978	
Patent Number:	9496787	
Patent Number:	9461543	
Patent Number:	9356517	
Patent Number:	9712053	
Patent Number:	9369040	
Patent Number:	9864426	
Patent Number:	9576900	
Patent Number:	9673710	
Patent Number:	9735677	
Application Number:	61924349	
Application Number:	62012909	
Application Number:	62013460	
Application Number:	62086027	
Application Number:	15353387	
Application Number:	62037065	
Application Number:	62086034	

PATENT

Property Type	Number
Application Number:	62037063
Application Number:	62037061
Application Number:	62086038
Application Number:	15652073
Application Number:	62171979
Application Number:	15174877
Application Number:	62086081
Application Number:	14956279
Application Number:	62115090
Application Number:	15438510
Application Number:	62171983
Application Number:	15614113
Application Number:	15667522
Application Number:	62172007
Application Number:	15174884
Application Number:	62171901
Application Number:	15174886
Application Number:	62266186
Application Number:	15376143
Application Number:	62357852
Application Number:	15640922
Application Number:	62519036
Application Number:	62562313
Application Number:	62519354
Application Number:	62458394
Application Number:	62458402

CORRESPONDENCE DATA

Fax Number: (949)955-1921

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.

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Correspondent Name: KLEIN, O'NEILL & SINGH, LLP

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Address Line 4: IRVINE, CALIFORNIA 92606

ATTORNEY DOCKET NUMBER: 1495-000.000

NAME OF SUBMITTER: DANIEL M. CAVANAGH

SIGNATURE:	/Daniel M. Cavanagh/
DATE SIGNED:	04/19/2018
Total Attachments: 10 source=Endura--Patent Assignment HK-China-Redacted#page1.tif source=Endura--Patent Assignment HK-China-Redacted#page2.tif source=Endura--Patent Assignment HK-China-Redacted#page3.tif source=Endura--Patent Assignment HK-China-Redacted#page4.tif source=Endura--Patent Assignment HK-China-Redacted#page5.tif source=Endura--Patent Assignment HK-China-Redacted#page6.tif source=Endura--Patent Assignment HK-China-Redacted#page7.tif source=Endura--Patent Assignment HK-China-Redacted#page8.tif source=Endura--Patent Assignment HK-China-Redacted#page9.tif source=Endura--Patent Assignment HK-China-Redacted#page10.tif	

PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT AGREEMENT ("**Patent Assignment**"), dated as of February 23, 2018, is made by Endurtech (Hong Kong) Limited, a Hong Kong limited company ("**Assignor**"), located at c/o Genesis Trust And Corporate Services Ltd., 2nd Floor, Midtown Plaza, Elgin Avenue, George Town KY1-1106, Cayman Islands, in favor of Chaoyang Semiconductor Jiangyin Technology Co., Ltd., Chinese-foreign limited liability equity joint venture company with the status of an enterprise legal person under the PRC Law ("**Assignee**"), located at Yangguang Industrial Park, Xinqiao, Jiangyin, Jiangsu Province.

WHEREAS, Assignor desires to convey, transfer, and assign to Assignee, certain intellectual property of Assignor;

NOW THEREFORE, the parties agree as follows:

1. Assignment. For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, except as otherwise set forth on Exhibit A hereto, Assignor hereby irrevocably conveys, transfers, and assigns to Assignee, and Assignee hereby accepts, all of Assignor's right, title, and interest in and to the following:

(a) the patents and patent applications set forth in Schedule 1 hereto and all issuances, divisions, continuations, continuations-in-part, reissues, extensions, reexaminations, and renewals thereof (the "**Assigned Patents**");

(b) all discoveries, designs, developments, improvements, inventions (whether or not protectable under patent laws), works of authorship, information fixed in any tangible medium of expression (whether or not protectable under copyright laws), trade secrets, know-how, ideas (whether or not protectable under trade secret laws), mask works, trademarks, service marks, trade names and trade dress related to the Assigned Patents;

(c) all rights of any kind whatsoever of Assignor accruing under or based on the filing of any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions, and otherwise throughout the world;

(d) any and all royalties, fees, income, payments, and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(e) any and all claims and causes of action with respect to any of the foregoing, whether accruing before, on, or after the date hereof, including all rights to and claims for damages, restitution, and injunctive and other legal and equitable relief for past, present, and future infringement, misappropriation, violation, misuse, breach, or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. Recordation and Further Actions by Assignor. Assignor hereby authorizes the Commissioner for Patents in the United States Patent and Trademark Office and the officials of

corresponding entities or agencies in any applicable jurisdictions to record and register this Patent Assignment upon request by Assignee.

3. Re-Assignment. In the event Jiangsu Sunshine Holding Group Limited ("JSHGL") fails to make a required payment pursuant to Section 6.1(b)(ii) of that certain Joint Venture Contract dated December 2017 between JSHGL and Endurtech (Hong Kong) Limited, a Hong Kong limited company, all property, including without limitation the Assigned Patents, assigned by Assignor to Assignee pursuant to Section 1 of this Patent Assignment, shall automatically, without further action, be re-assigned by Assignee back to Assignor (the "**Re-Assignment**"). In such event, Assignee hereby authorizes the Commissioner for Patents in the United States Patent and Trademark Office and the officials of corresponding entities or agencies in any applicable jurisdictions to record and register this Patent Assignment upon request by Assignor.

4. Further Assurances. Each party, on receipt of notice from the other party, shall sign, or cause to be signed, all further documents, do, or cause to be done, all further acts, and provide all assurances as may reasonably be necessary or desirable to give effect to the terms of this Patent Assignment, including, without limitations, the assignments in Section 1 hereof and the Re-Assignment, if any.

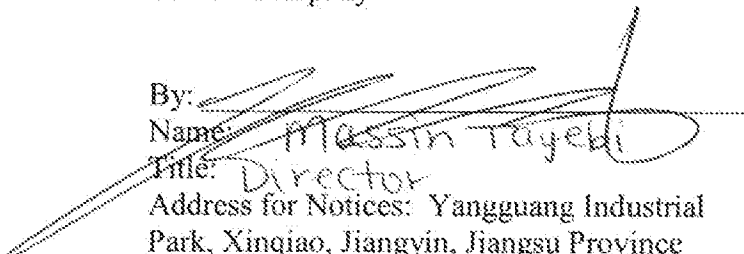
5. Counterparts. This Patent Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed one and the same agreement. A signed copy of this Patent Assignment delivered by facsimile, e-mail, or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Patent Assignment.

6. Successors and Assigns. This Patent Assignment shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns.

[SIGNATURE PAGE FOLLOWS]

AGREED TO AND ACCEPTED:

CHAOYANG SEMICONDUCTOR
JIANGYIN TECHNOLOGY CO., LTD.,
a Chinese-foreign limited liability equity joint
venture company

By: 

Name: Massin Tayebi

Title: Director

Address for Notices: Yangguang Industrial
Park, Xinqiao, Jiangyin, Jiangsu Province

STATE OF CALIFORNIA

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)SS.

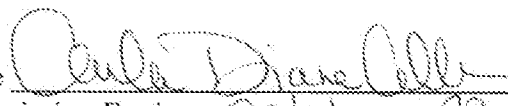
COUNTY OF SAN DIEGO

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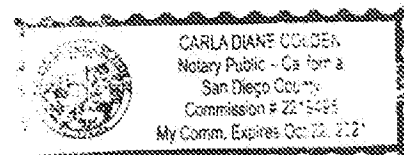
On February 23, 2018 before me, Carla Diane Colden, NOTARY PUBLIC,
personally appeared Massin Tayebi, who proved to me on the
basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within
instrument and acknowledged to me that he/she/they executed the same in his/her/their
authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or
the entity upon behalf of which the person(s) acted, executed the instrument.

*I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.*

WITNESS my hand and official seal.

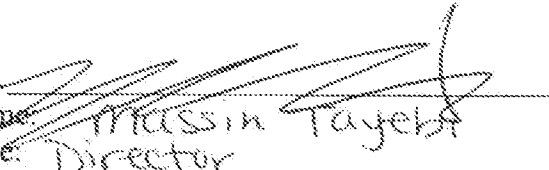
Signature  (Seal)

My Commission Expires October 22, 2021



AGREED TO AND ACCEPTED:

ENDURTECH (HONG KONG) LIMITED,
A Hong Kong limited company

By: 

Name

Title: Director

Address for Notices: c/o Endura Technologies
LLC, 7310 Miramar Rd., San Diego, CA
92126

STATE OF CALIFORNIA

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)SS.

COUNTY OF SAN DIEGO

)

On February 23, 2018, before me, Carla Diane Golden, NOTARY PUBLIC,
personally appeared Massih Tayebi, who proved to me on the
basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within
instrument and acknowledged to me that he/she/they executed the same in his/her/their
authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or
the entity upon behalf of which the person(s) acted, executed the instrument.

*I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.*

WITNESS my hand and official seal.

Signature Carla Diane Golden (Seal)

My Commission Expires October 22, 2021

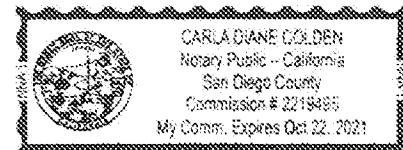


EXHIBIT A

[REDACTED]

WEST 280586711.2

SCHEDULE 1**ASSIGNED PATENTS AND PATENT APPLICATIONS****Patents**

Title	Jurisdiction	Patent Number	Issue Date
SWITCHED POWER STAGE WITH INDUCTOR BYPASS AND A METHOD FOR CONTROLLING SAME	US	9,859,793	1/2/2018
TRANSIENT POWER CONTROL	US	9,515,553	12/6/2016
INTEGRATED THERMAL AND POWER CONTROL	US	9,762,124	9/12/2017
INTEGRATED THERMAL AND POWER CONTROL	US	9,768,691	9/19/2017
SWITCHED POWER STAGE AND A METHOD FOR CONTROLLING THE LATTER	US	9,502,978	11/22/2016
SWITCHED POWER STAGE AND A METHOD FOR CONTROLLING THE LATTER	US	9,496,787	11/15/2016
DC-DC CONVERTER WITH DIGITAL CURRENT SENSING	US	9,461,543	10/4/2016
DC-DC CONVERTER WITH DIGITAL CURRENT SENSING	US	9,356,517	5/31/2016
DC-DC CONVERTER WITH DIGITAL CURRENT SENSING	US	9,712,053	7/18/2017
LOAD AWARE VOLTAGE REGULATOR AND DYNAMIC VOLTAGE AND FREQUENCY SCALING	US	9,369,040	6/14/2016
LOAD AWARE VOLTAGE REGULATOR AND DYNAMIC VOLTAGE AND FREQUENCY SCALING	US	9,864,426	1/9/2018
SWITCHED POWER STAGE WITH INTEGRATED PASSIVE COMPONENTS	US	9,576,900	2/21/2017
VOLTAGE REGULATOR CURRENT LOAD SENSING	US	9,673,710	6/6/2017
DC-DC CONVERTER HAVING DIGITAL CONTROL AND REFERENCE PWM GENERATORS	US	9,735,677	8/15/2017

Patent Applications

Title	Jurisdiction	Application/ Publication Number	Filing Date
SWITCHED POWER STAGE AND A METHOD FOR CONTROLLING THE LATTER	US	61/924,349	1/7/2014
A SWITCHED POWER STAGE AND A METHOD FOR CONTROLLING THE LATTER	WO	WO2015/105808	1/6/2015
A SWITCHED POWER STAGE AND A METHOD FOR CONTROLLING THE LATTER	CN	CN106464135A	8/5/2016
A SWITCHED POWER STAGE AND A METHOD FOR CONTROLLING THE LATTER	EP	EP3092708	7/7/2016
TRANSIENT POWER CONTROL	US	62/012,909	6/16/2014
TRANSIENT POWER CONTROL	US	62/013,460	6/17/2014
TRANSIENT POWER CONTROL	US	62/086,027	12/1/2014
TRANSIENT POWER CONTROL	US	US 2017-0063237 A1	11/16/2016
TRANSIENT POWER CONTROL	WO	WO2015/195717	6/16/2015
TRANSIENT POWER CONTROL	CN	CN 106416035A	11/23/2016
TRANSIENT POWER CONTROL	EP	EP3155714	12/16/2016
INTEGRATED THERMAL AND POWER CONTROL	US	62/037,065	8/13/2014
INTEGRATED THERMAL AND POWER CONTROL	US	62/086,034	12/1/2014
INTEGRATED THERMAL AND POWER CONTROL	WO	WO2016/025763	8/13/2015
SWITCHED POWER STAGE AND A METHOD FOR CONTROLLING THE LATTER	US	62/037,063	8/13/2014
SWITCHED POWER STAGE AND A METHOD FOR CONTROLLING THE LATTER	WO	WO2016/025766	8/13/2015
SWITCHED POWER STAGE AND A METHOD FOR CONTROLLING THE LATTER	CN	CN 106716806 A	3/15/2017
SWITCHED POWER STAGE AND A METHOD FOR CONTROLLING THE LATTER	EP	EP3180847	2/27/2017
SWITCHED POWER STAGE AND A METHOD FOR CONTROLLING THE LATTER	US	62/037,061	8/13/2014
SWITCHED POWER STAGE AND A METHOD FOR CONTROLLING THE LATTER	WO	WO2016/025767	8/13/2015
SWITCHED POWER STAGE AND A METHOD FOR CONTROLLING THE LATTER	CN	CN 106716805 A	3/15/2017
SWITCHED POWER STAGE AND A METHOD FOR CONTROLLING THE LATTER	EP	EP3180845	2/27/2017
DC-DC CONVERTER WITH DIGITAL	US	62/086,038	12/1/2014

CURRENT SENSING			
DC-DC CONVERTER WITH DIGITAL CURRENT SENSING	US	15/652,073	7/17/2017
DC-DC CONVERTER WITH DIGITAL CURRENT SENSING	WO	WO2016/089907	12/1/2015
DC-DC CONVERTER WITH DIGITAL CURRENT SENSING	CN	CN 107111328A	6/28/2017
DC-DC CONVERTER WITH DIGITAL CURRENT SENSING	EP	EP3227992	5/31/2017
LOAD AWARE VOLTAGE REGULATOR AND DYNAMIC VOLTAGE AND FREQUENCY SCALING	WO	WO2016/141081	3/2/2016
LOAD AWARE VOLTAGE REGULATOR AND DYNAMIC VOLTAGE AND FREQUENCY SCALING	CN	CN 107408888 A	9/4/2017
LOAD AWARE VOLTAGE REGULATOR AND DYNAMIC VOLTAGE AND FREQUENCY SCALING	EP	EP3266099	9/26/2017
INTEGRATED SYSTEM OF PDN IMPLEMENTATION AND DIGITAL CO-SYNTHESIS	US	62/171,979	6/5/2015
INTEGRATED SYSTEM OF PDN IMPLEMENTATION AND DIGITAL CO-SYNTHESIS	US	US 2016-0357882 A1	6/6/2016
INTEGRATED SYSTEM OF PDN IMPLEMENTATION AND DIGITAL CO-SYNTHESIS	WO	WO2016/197149	6/6/2016
INTEGRATED SYSTEM OF PDN IMPLEMENTATION AND DIGITAL CO-SYNTHESIS	CN	201680039650.4	1/4/2018
INTEGRATED SYSTEM OF PDN IMPLEMENTATION AND DIGITAL CO-SYNTHESIS	EP	16804672.0	1/4/2018
SWITCHED POWER STAGE WITH INTEGRATED PASSIVE COMPONENTS	US	62/086,081	12/1/2014
SWITCHED POWER STAGE WITH INTEGRATED PASSIVE COMPONENTS	US	US 2016-0155692 A1	12/1/2015
SWITCHED POWER STAGE WITH INTEGRATED PASSIVE COMPONENTS	WO	WO2016/089917	12/1/2015
SWITCHED POWER STAGE WITH INTEGRATED PASSIVE COMPONENTS	CN	CN 107210231 A	6/27/2017
SWITCHED POWER STAGE WITH INTEGRATED PASSIVE COMPONENTS	EP	EP3227916	5/31/2017
SWITCHED POWER STAGE WITH INTEGRATED PASSIVE COMPONENTS	US	62/115,090	2/11/2015

SWITCHED POWER STAGE WITH INTEGRATED PASSIVE COMPONENTS	US	US 2018-0019201 A1	2/21/2017
SWITCHED POWER STAGE WITH INTEGRATED PASSIVE COMPONENTS	WO	WO2016/130859	2/11/2016
SWITCHED POWER STAGE WITH INTEGRATED PASSIVE COMPONENTS	CN	CN 107408534 A	9/6/2017
SWITCHED POWER STAGE WITH INTEGRATED PASSIVE COMPONENTS	EP	EP3257079	9/26/2017
VOLTAGE REGULATOR CURRENT LOAD SENSING	US	62/171,983	6/5/2015
VOLTAGE REGULATOR CURRENT LOAD SENSING	US	15/614,113	6/5/2017
VOLTAGE REGULATOR CURRENT LOAD SENSING	WO	WO2016/197150	6/6/2016
VOLTAGE REGULATOR CURRENT LOAD SENSING	CN	201680040212.X	1/8/2018
VOLTAGE REGULATOR CURRENT LOAD SENSING	EP	16804673.8	1/4/2018
DC-DC CONVERTER HAVING DIGITAL CONTROL AND REFERENCE PWM GENERATORS	US	US 2018-0019674 A1	8/2/2017
DC-DC CONVERTER HAVING DIGITAL CONTROL AND REFERENCE PWM GENERATORS	WO	WO2016/197151	6/6/2016
DC-DC CONVERTER HAVING DIGITAL CONTROL AND REFERENCE PWM GENERATORS	CN	201680040226.1	1/8/2018
DC-DC CONVERTER HAVING DIGITAL CONTROL AND REFERENCE PWM GENERATORS	EP	16804674.6	1/4/2018
DYNAMIC FREQUENCY SCALING BASED ON SUPPLY CURRENT MONITORING	US	62/172,007	6/5/2015
DYNAMIC FREQUENCY SCALING BASED ON SUPPLY CURRENT MONITORING	US	US 2016-0357242 A1	6/6/2016
DYNAMIC FREQUENCY SCALING BASED ON SUPPLY CURRENT MONITORING	WO	WO2016/197152	6/6/2016
DYNAMIC FREQUENCY SCALING BASED ON SUPPLY CURRENT MONITORING	CN	TBA	1/8/2018
DYNAMIC FREQUENCY SCALING BASED ON SUPPLY CURRENT MONITORING	EP	16804675.3	1/4/2018
FAST PRE-AMP LATCH COMPARATOR	US	62/171,901	6/5/2015
FAST PRE-AMP LATCH COMPARATOR	US	US 2016/0359477 A1	6/6/2016
FAST PRE-AMP LATCH COMPARATOR	WO	WO2016/197153	6/6/2016

BOOST DC-DC CONVERTER HAVING DIGITAL CONTROL AND REFERENCE PWM GENERATORS	US	62/266,186	12/11/2015
BOOST DC-DC CONVERTER HAVING DIGITAL CONTROL AND REFERENCE PWM GENERATORS	US	US 2017-0170728 A1	12/12/2016
BOOST DC-DC CONVERTER HAVING DIGITAL CONTROL AND REFERENCE PWM GENERATORS	WO	WO2017/100788	12/12/2016
SOC SUPPLY DROOP COMPENSATION	US	62/357,852	7/1/2016
SOC SUPPLY DROOP COMPENSATION	US	15/640,922	7/3/2017
SOC SUPPLY DROOP COMPENSATION	WO	WO2018/006091	7/3/2017
VOLTAGE REGULATOR VOLTAGE OVERSHOOT LOOK-BACK	US	62/519,036	6/13/2017
SERIAL BUS PROTOCOL ENCODING FOR VOLTAGE REGULATOR WITH SUPPORT FOR DVFS	US	62/562,313	9/22/2017
VOLTAGE REGULATOR WITH TIME-AWARE CURRENT REPORTING	US	62/519,354	6/14/2017
IN-CIRCUIT SUPPLY TRANSIENT SCOPE	US	62/458,394	2/13/2017
REALTIME CRITICAL TIMING PATH POTENTIAL FAULT EVENT DETECTION AND PREVENTION FOR EMBEDDED CORES	US	62/458,402	2/13/2017