

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7185807

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MIN CHEN	02/08/2022
NING CHEN	02/08/2022
BODONG LI	02/08/2022
DONGBO ZHANG	02/08/2022
XIAOQING WANG	02/08/2022
XINNAN SUN	02/08/2022
ZHAOPEI LIANG	02/08/2022
RECEIVING PARTY DATA	
Name:	ZHEJIANG UNIVERSITY
Street Address:	866 YUANGTANG ROAD, XIHU DISTRICT
City:	HANGZHOU, ZHEJIANG
State/Country:	CHINA
Postal Code:	310058
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17673768
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	(972) 370-7997
Email:	charles_ho@barron-young.com
Correspondent Name:	BYIP LTD.
Address Line 1:	5700 GRANITE PARKWAY, SUITE 200
Address Line 4:	PLANO, TEXAS 75024
ATTORNEY DOCKET NUMBER:	ZZZHCH-22001-USPT
NAME OF SUBMITTER:	CHARLES HO
SIGNATURE:	/Charles Ho/
DATE SIGNED:	02/20/2022

Total Attachments: 7

source=Executed Assignment#page1.tif

source=Executed Assignment#page2.tif

source=Executed Assignment#page3.tif

source=Executed Assignment#page4.tif

source=Executed Assignment#page5.tif

source=Executed Assignment#page6.tif

source=Executed Assignment#page7.tif

ASSIGNMENT - Patent Application		Docket Number: ZZZHCH-22001-USPT
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	Min Chen; Ning Chen; Bodong Li; Dongbo Zhang; Xiaoqing Wang; Xinnan Sun; and Zhaopei Liang	
made an invention entitled: Bidirectional CLLC Circuit with Coupled Inductor		
for which an application for Letters Patent of the United States: (Select one of the following):		
<input checked="" type="checkbox"/>	is executed concurrently herewith	
<input type="checkbox"/>	was filed in the U.S. Patent and Trademark Office on _____, as U.S. Patent Application Serial No.: _____	
ASSIGNEE (Full Name, Address and Country)	Zhejiang University 866 Yuhangtang Road, Xihu District, Hangzhou, Zhejiang 310058 China	
<p>is desirous of acquiring our entire right, title and interest in and to said invention and the Letters Patent to be obtained therefor,</p> <p>Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.</p> <p>Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.</p> <p>Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.</p> <p>In witness whereof, this Assignment is executed on the day indicated below.</p>		

	Typed or Printed Name	Signature	Date
SIGNATURE	Min Chen	x <i>Min Chen</i>	x February 8, 2022

ASSIGNMENT - Patent Application		Docket Number: <u>ZZZHCH-22001-USPT</u>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	Min Chen; Ning Chen; Bodong Li; Dongbo Zhang; Xiaoqing Wang; Xinnan Sun; and Zhaopei Liang	
made an invention entitled: <u>Bidirectional CLLC Circuit with Coupled Inductor</u>		
for which an application for Letters Patent of the United States: (Select one of the following):		
<input checked="" type="checkbox"/>	is executed concurrently herewith	
<input type="checkbox"/>	was filed in the U.S. Patent and Trademark Office on _____, as U.S. Patent Application Serial No.: _____	
ASSIGNEE (Full Name, Address and Country)	Zhejiang University 866 Yuhangtang Road, Xihu District, Hangzhou, Zhejiang 310058 China	
is desirous of acquiring our entire right, title and interest in and to said invention and the Letters Patent to be obtained therefor, Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto. Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment. Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument. In witness whereof, this Assignment is executed on the day indicated below.		

	Typed or Printed Name	Signature	Date
SIGNATURE	Ning Chen	x <i>Ning Chen</i>	x <i>February 8, 2006</i>

ASSIGNMENT - Patent Application		Docket Number: <u>ZZZHCH-22001-USPT</u>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	Min Chen; Ning Chen; Bodong Li; Dongbo Zhang; Xiaoqing Wang; Xinnan Sun; and Zhaopei Liang	
made an invention entitled: <u>Bidirectional CLLC Circuit with Coupled Inductor</u>		
for which an application for Letters Patent of the United States: (Select one of the following):		
<input checked="" type="checkbox"/>	is executed concurrently herewith	
<input type="checkbox"/>	was filed in the U.S. Patent and Trademark Office on _____, as U.S. Patent Application Serial No.: _____	
ASSIGNEE (Full Name, Address and Country)	Zhejiang University 866 Yuhangtang Road, Xihu District, Hangzhou, Zhejiang 310058 China	
is desirous of acquiring our entire right, title and interest in and to said invention and the Letters Patent to be obtained therefor, Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto. Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment. Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument. In witness whereof, this Assignment is executed on the day indicated below.		

	Typed or Printed Name	Signature	Date
SIGNATURE	<u>Bodong Li</u>	<u>X <i>Bodong Li</i></u>	<u>X February 8, 2022</u>

ASSIGNMENT - Patent Application		Docket Number: ZZZHCH-22001-USPT
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	Min Chen; Ning Chen; Bodong Li; Dongbo Zhang; Xiaoqing Wang; Xinnan Sun; and Zhaopei Liang	
made an invention entitled: <u>Bidirectional CLLC Circuit with Coupled Inductor</u>		
for which an application for Letters Patent of the United States: (Select one of the following):		
<input checked="" type="checkbox"/> is executed concurrently herewith <input type="checkbox"/> was filed in the U.S. Patent and Trademark Office on _____, as U.S. Patent Application Serial No.: _____		
ASSIGNEE (Full Name, Address and Country)	Zhejiang University 866 Yuhangtang Road, Xihu District, Hangzhou, Zhejiang 310058 China	
is desirous of acquiring our entire right, title and interest in and to said invention and the Letters Patent to be obtained therefor, Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto. Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment. Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument. In witness whereof, this Assignment is executed on the day indicated below.		

	Typed or Printed Name	Signature	Date
SIGNATURE	Dongbo Zhang	x Dongbo Zhang	x February 8, 2022

ASSIGNMENT - Patent Application		Docket Number: ZZZHCH-22001-USPT
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	Min Chen; Ning Chen; Bodong Li; Dongbo Zhang; Xiaoqing Wang; Xinnan Sun; and Zhaopel Liang	
made an invention entitled: <u>Bidirectional CLLC Circuit with Coupled Inductor</u>		
for which an application for Letters Patent of the United States: (Select one of the following):		
<input checked="" type="checkbox"/> is executed concurrently herewith <input type="checkbox"/> was filed in the U.S. Patent and Trademark Office on _____, as U.S. Patent Application Serial No.: _____		
ASSIGNEE (Full Name, Address and Country)	Zhejiang University 866 Yuhangtang Road, Xihu District, Hangzhou, Zhejiang 310058 China	
is desirous of acquiring our entire right, title and interest in and to said invention and the Letters Patent to be obtained therefor, <p>Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.</p> <p>Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.</p> <p>Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.</p> <p>In witness whereof, this Assignment is executed on the day indicated below.</p>		

	Typed or Printed Name	Signature	Date
SIGNATURE	Xiaoqing Wang	X <i>Xiaoqing Wang</i>	X <i>February 8, 2022</i>

ASSIGNMENT - Patent Application

Docket Number: **ZZZHCH-22001-USPT**

Whereas, the Assignor, comprising the following named inventors:

ASSIGNOR(s)/ INVENTOR(s)	Min Chen; Ning Chen; Bodong Li; Dongbo Zhang; Xiaoqing Wang; Xinnan Sun; and Zhaopei Liang
-----------------------------	---

made an invention entitled: **Bidirectional CLLC Circuit with Coupled Inductor**

for which an application for Letters Patent of the United States:
(Select one of the following):

- is executed concurrently herewith
 was filed in the U.S. Patent and Trademark Office on _____,
as U.S. Patent Application Serial No.: _____

ASSIGNEE (Full Name, Address and Country)	Zhejiang University 866 Yuhangtang Road, Xihu District, Hangzhou, Zhejiang 310058 China
---	---

is desirous of acquiring our entire right, title and interest in and to said invention and the Letters Patent to be obtained therefor,

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.

In witness whereof, this Assignment is executed on the day indicated below.

	Typed or Printed Name	Signature	Date
SIGNATURE	Xinnan Sun	X <i>Xinnan Sun</i>	*February 8, 2022

ASSIGNMENT - Patent Application

Docket Number: **ZZZHCH-22001-USPT**

Whereas, the Assignor, comprising the following named inventors:

ASSIGNOR(s)/
INVENTOR(s)

Min Chen; Ning Chen; Bodong Li; Dongbo Zhang; Xiaoqing Wang; Xinnan Sun; and Zhaopei Liang

made an invention entitled: **Bidirectional CLLC Circuit with Coupled Inductor**

for which an application for Letters Patent of the United States:
(Select one of the following):

is executed concurrently herewith

was filed in the U.S. Patent and Trademark Office on _____,
as U.S. Patent Application Serial No.: _____

ASSIGNEE
(Full Name, Address and
Country)

Zhejiang University
866 Yuhangtang Road, Xihu District, Hangzhou, Zhejiang 310058
China

is desirous of acquiring our entire right, title and interest in and to said invention and the Letters Patent to be obtained therefor,

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.

In witness whereof, this Assignment is executed on the day indicated below.

	Typed or Printed Name	Signature	Date
SIGNATURE	Zhaopei Liang	X Zhaopei Liang	X February 8, 2022