PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT7056420

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KAIFU QIU	11/29/2021
YONGQIAN WANG	11/29/2021
XINQIANG YANG	11/29/2021
GANG CHEN	11/29/2021

RECEIVING PARTY DATA

Name:	SOLARLAB AIKO EUROPE GMBH
Street Address:	BERLINER ALLEE 29
City:	FREIBURG
State/Country:	GERMANY
Postal Code:	79110

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	17541353	

CORRESPONDENCE DATA

Fax Number: (888)259-9223

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.

Phone: 8882599211 X2330

Email: USPTORECEIPT@GMAIL.COM

Correspondent Name: MATTHIAS SCHOLL Address Line 1: 1321 UPLAND DR.

Address Line 2: **SUITE 1319**

Address Line 4: HOUSTON, TEXAS 77043

ATTORNEY DOCKET NUMBER:	SZSD-00604-UUS
NAME OF SUBMITTER:	SUZANNE SCHOLL
SIGNATURE:	/Suzanne Scholl/
DATE SIGNED:	12/05/2021

Total Attachments: 4

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> **PATENT** REEL: 058912 FRAME: 0237 507009582

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PATENT REEL: 058912 FRAME: 0238

ASSIGNMENT BY INVENTOR(S) OF U.S. PATENT APPLICATION

Attorney Docket Number	SZSD-00604-UUS
Title of Invention	BACK CONTACT STRUCTURE AND SELECTIVE CONTACT REGION BURIED SOLAR CELL COMPRISING THE SAME
	I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed the application identified by the title above.
WHEREAS	Solarlab Aiko Europe GmbH
having a po	Berliner Allee 29, Freiburg, Germany, 79110
ASSIGNOR said Invent division, coi supplement ASS prosecution additional d further cons communica ASSIGNOR be required, encompass	as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States; N, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to for and application throughout the United States of America, including any and all patents granted on any all examination, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or all examination thereof. IGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, and maintenance of said application or any other patent applications in the United States for said invention, including comments that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without ideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and the to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within the possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent and within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's administrators and other legal representatives.
ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.	
	IGNOR authorizes Practitioners associated with the Customer Number 33,794 to insert or complete any information nent needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.
	ME OF ASSIGNOR
Assignor:	Caifu QIU Date: 11/29/2021
Signature:	Kaffu QIU

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ASSIGNMENT BY INVENTOR(S) OF U.S. PATENT APPLICATION Attorney SZSD-00604-UUS Docket. Number BACK CONTACT STRUCTURE AND SELECTIVE CONTACT REGION BURIED SOLAR Title of CELL COMPRISING THE SAME Invention WHEREAS, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed invention in the application identified by the title above. Solarlab Aiko Europe GmbH WHEREAS. having a postal address of Berliner Allee 29, Freiburg, Germany, 79110 (referred to as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States; NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said invention and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or supplemental examination thereof. ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof, and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made. ASSIGNOR authorizes Practitioners associated with the Customer Number 33,794 to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same. LEGAL NAME OF ASSIGNOR Assignor: Yongqian WANG

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Signature: Younggian WANG

Date: 11/29/2021

ASSIGNMENT BY INVENTOR(S) OF U.S. PATENT APPLICATION

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Atlorney Docket Number	SZSD-00604	-UUS
Title of Invention		ACT STRUCTURE AND SELECTIVE CONTACT REGION BURIED SOLAR RISING THE SAME
		n the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed entified by the title above.
WHEREAS	x.	Solarlab Alko Europe GmbH
having a po	stal address of	Berliner Allee 29, Freiburg, Germany, 79110
(referred to	as ASSIGNEE be	low) desires to acquire the entire right, title, and interest in and to the same in the United States;
ASSIGNOR said invent division, cor	, by these prese ion and applicat	for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, its does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to on throughout the United States of America, including any and all patents granted on any alion-in-part, reexamination, and reissue of said application, whether granted in an initial or secof.
prosecution additional d further cons communica ASSIGNOR be required encompass	and maintenance ocuments that maideration. ASSIGNEE to ASSIGNEE is possession or of ASSIGNOR in ed within the term	grees to execute any documents that legally may be required in connection with the filing, of said application or any other patent applications in the United States for said invention, including be required to affirm the rights of ASSIGNEE in and to said invention and application, all without NOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and it ASSIGNEE's request documents and information concerning the invention that are within control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may respect of the prosecution, maintenance and defense of any patent application or patent is of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's and other legal representatives.
referred to a use and bet which such	ibove to ASSIGN loof; and for the t	Ithorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents EE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole se and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for inled, as fully and entirely as the same would have been held by ASSIGNOR had this assignment
		s Practitioners associated with the Customer Number 33,794 to insert or complete any information fect its recordal in the U.S. Patent and Trademark Office and to record the same.
1 mg/Nt - ktA	ME ALL ROSINE	NO
	ME OF ASSIGN	
Assignor:	Xinqiang YAI	IG Date: 11/29/2021
Signature:	Xingvang	Yang

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ASSIGNMENT BY INVENTOR(S) OF U.S. PATENT APPLICATION

Attorney Docket Number	SZSD-00604	-UUS
Title of Invention		ACT STRUCTURE AND SELECTIVE CONTACT REGION BURIED SOLAR RISING THE SAME
		n the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed entified by the title above.
WHEREAS	t :	Solarlab Alko Europe GmbH
having a po	stal address of	Berliner Allee 29, Freiburg, Germany, 79110
(referred to	as ASSIGNEE be	low) desires to acquire the entire right, title, and interest in and to the same in the United States,
ASSIGNOR said invent division, co	, by these prese ion and applicat	for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, nts does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to ion throughout the United States of America, including any and all patents granted on any lation-in-part, reexamination, and reissue of said application, whether granted in an initial or ersof.
prosecution additional d further cons communica ASSIGNOR be required encompass	and maintenance ocuments that ma ideration. ASSIGNEE to ASSIGNEE of ASSIGNOR in additionally the term and within the term.	grees to execute any documents that legally may be required in connection with the filing, of said application or any other patent applications in the United States for said invention, including by be required to affirm the rights of ASSIGNEE in and to said invention and application, all without NOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and at ASSIGNEE's request documents and information concerning the invention that are within control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may respect of the prosecution, maintenance and defense of any patent application or patent is of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's and other legal representatives.
ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof, and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.		
ASSIGNOR authorizes Practitioners associated with the Customer Number 33,794 to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.		
	ME OF ASSIGNO	OR .
Assignor	Gang CHEN	Date: 11/29/2021
Signature:	Gan	g CHEN

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