PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3151124

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WERNER STOCKUM	11/11/2014
OLIVER DOLL	11/04/2014
INGO KOEHLER	11/06/2014
CHRISTIAN MATUSCHEK	11/05/2014

RECEIVING PARTY DATA

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Street Address:	FRANKFURTER STRASSE 250
City:	DARMSTADT
State/Country:	GERMANY
Postal Code:	64293

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14408627

CORRESPONDENCE DATA

Fax Number:

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: 703-243-6333
Email: mail@mwzb.com

Correspondent Name: MILLEN, WHITE, ZELANO & BRANIGAN (MIA)

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Address Line 2: SUITE 1400

Address Line 4: ARLINGTON, VIRGINIA 22201

ATTORNEY DOCKET NUMBER:	MERCK-4265
NAME OF SUBMITTER:	MICHAIAH COPP
SIGNATURE:	/Michaiah Copp/
DATE SIGNED:	12/17/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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503104517 PATENT REEL: 034526 FRAME: 0024

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> PATENT REEL: 034526 FRAME: 0025

P12/039

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	METHOD FOR PRODUCING SOLAR CELLS WITH LOCAL BACK SURFACE FIELD (LBSF)
As the below nan	ned inventor, I hereby declare that:
This declaration	☐ The attached application, or
is directed to:	United States Application or PCT International Application number PCT/EP2013/001544 filed on QCT/EP2013/001544 filed application was made or authorized to be made by me.
The apove-accum	n the original inventor or an original joint inventor of a claimed invention in the application.
	· · · · · · · · · · · · · · · · · · ·
All material of Rotes	Merck Patent GmbH Frankfurter Strasse 250 64293 Darmstadt / DE ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and d above, including any and all earlier priority rights (D.S. and foreign), divisions and continuations thereof, d all renewals, reissues, reexaminations and extensions thereof.
NOW, ASSIGNOR here right, title and in and all Letters Perfereof, and in an to accrue with reinvention, SAID including any an which may be gright to sue for darising from or a renewals, reissue representatives, enjoyed the same	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, sby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any attent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions and to any and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or spect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, did all earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent ranted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the lamages occurring before the assignment, with all the rights, powers, privileges and advantages in any wise appearations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and e, if the assignment had not been made.
La Paradona donie	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States nuries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to er papers that may be needed in connection with securing Letters Patents thereon.
any and all divis	ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on sions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.
The us assignment info properly record	
1	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
I here fine or imprisor	by acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by imment of not more than five (5) years, or both.
LEGAL NAME	OF INVENTOR Werner STOCKUM Date: 14.11.20.14
Signature:	1 1/6 Jan

MILLEN, WHITE, ZELANO & BRANIGAN, P.C.
ATTORNEYS AT LAW
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Effective, September 16, 2012

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	METHO (LBSF)	DD FOR PRODUCING SOLAR CELLS WITH LOCAL BACK SURFACE FIELD
As the below nan	ed invento	n, I hereby declare that:
This declaration	□	The attached application, or
is directed to:		United States Application or PCT International Application number PCT/EP2013/001544 filed on 24 May 2013
The above-identil	fied applic	ation was made or authorized to be made by me.
I believe that I an	the origin	al inventor or an original joint inventor of a claimed invention in the application.
all patent(s) lister including any and	Fed to as the labove, in all renew	Merck Patent GmbH rankfurter Strasse 250 4293 Darmstadt / DE 2 ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and cluding any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, als, reissues, reexaminations and extensions thereof.
ASSIGNOR here right, title and in and all Letters Pathereof, and in a to accrue with reinvention, SAID including any an which may be gright to sue for darising from or a renewals, reissue representatives, enjoyed the same	thy assigns terest in an atent which any a spect to the ASSIGNE d all earlie anted there amages on a ppertainings, reexamitin as ample e, if the assigns.	ETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, a sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive do to said invention and patent(s), including any and all divisions and continuations thereof, and any may be granted therefor, including any and all renewals, reissues, reexaminations and extensions and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or effling or securing of patents in the United States and/or any countries foreign thereto concerning said (E., its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, in priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent sion, including any and all renewals, reissues, reexaminations and extensions thereof, including the curring before the assignment, with all the rights, powers, privileges and advantages in anywise, generating the term or terms of any and all such Letters Patent, including any and all mations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and signment had not been made.
and Constanting	union for a	R hereby agrees to execute all papers that may be necessary to file applications in the United States aid invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to nat may be needed in connection with securing Letters Patents thereon.
any and all divis	ions and e	R authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on ontinuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.
The use assignment info properly record	rmation w	hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this nich may be necessary or desirable in order for the United States Patent and Trademark Office to tent.
		IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
I here fine or imprisor	by acknow ment of no	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by it more than five (5) years, or both.
LEGAL NAME	OF INVE	NTOR Date: 04/14/2014
Inventor: Signature:	Oliver DO	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
7.3		

MILLEN, WHITE, ZELANO & BRANIGAN, P.C.

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Effective, September 16, 2032

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	METHOD FOR PRODUCING SOLAR CELLS WITH LOCAL BACK SURFACE FIELD (LBSF)
As the below nam	sed inventor, I hereby declare that:
This declaration	
is directed to:	United States Application or PCT International Application number PCT/EP2013/001544 filed on 24 May 2013
	fied application was made or authorized to be made by me.
I believe that I an	the original inventor or an original joint inventor of a claimed invention in the application.
all patent(s) listed including any and	Merck Patent Gmbfi Frankfurter Strasse 250 64293 Darmstadt / DE ed to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and I above, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, I all renewals, reissues, reexaminations and extensions thereof.
ASSIGNOR here right, title and im and all Letters Pe thereof, and in ar to accrue with re- invention, SAID including any are which may be gr right to sue for d arising from or a renewals, reissue representatives, i enjoyed the same	WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, thy assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive terest in and to said invention and patent(s), including any and all divisions and continuations thereof, and any attent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions and to any and all U.S. (including previsional) or foreign priority and/or convention rights or benefits accruing or spect to the filting or securing of patents in the United States and/or any countries foreign thereto concerning said ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, dall earlier priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent anted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, including the amages occurring before the assignment, with all the rights, powers, privileges and advantages in anywise appertaining thereto, for and during the term or terms of any and all such Letters Patent, including any and all est, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and e, if the assignment had not been made.
and foreign cour execute any other	ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States threes for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to proper that may be needed in connection with securing Letters Patents thereon.
AND any and all divis	ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on ions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.
The us assignment infor properly record	idersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this rmation which may be necessary or desirable in order for the United States Patent and Trademark Office to this document.
	IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR
fine or imprison	by acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ment of not more than five (5) years, or both.
LEGAL NAME	OF INVENTOR Ingg/KOEHKEK Date:
Signature:	

Millen, White, Zelano & Branigan, P.C.
Attorneys at Law
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Email: mail@mwzb.com

Effective, September 16, 2012

PATENT REEL: 034526 FRAME: 0028

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	METHOD FOR PRODUCING SOLAR CELLS WITH LOCAL BACK SURFACE FIELD (LBSF)		
As the below named inventor, I hereby declare that:			
This declaration	□	The attached application, or	
is directed to:	<u> </u>	United States Application or PCT International Application number PCT/FP2013/001544 filed on 24 May 2013	
		ation was made or authorized to be made by me.	
I believe that I an	a the origin	al inventor or an original joint inventor of a claimed invention in the application.	
all patent(s) listed including any and	ed to as the fabove, in fall renew	Merck Patent GmbH rankfurter Strasse 250 4293 Darmstadt / DE ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and cluding any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, als, reissues, reexaminations and extensions thereof. ETH that for good and valuable consideration, the receipt whereof is hereby acknowledged,	
right, title and int and all Letters Pa thereof, and in ar to accrue with re- invention, SAID including any and which may be go right to sue for di- arising from or a renewals, reissue moresentatives.	terest in an autent which ad to any au spect to the ASSIGNE all earlier amages occupertainings, reexaminas ample	sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive d to said invention and patent(s), including any and all divisions and continuations thereof, and any may be granted therefor, including any and all renewals, reissues, reexaminations and extensions and all U.S. (including provisional) or foreign priority and/or convention rights or benefits accruing or filting or securing of patents in the United States and/or any countries foreign thereto concerning said E, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and patent, priority rights (U.S. and foreign), divisions and continuations thereof, any and all Letters Patent for, including any and all renewals, reissues, reexaminations and extensions thereof, including the curring before the assignment, with all the rights, powers, privileges and advantages in any wise thereto, for and during the term or terms of any and all such Letters Patent, including any and all mations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and ignment had not been made.	
and foreign connexecute any othe	nries for sa r papers th	R hereby agrees to execute all papers that may be necessary to file applications in the United States id invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to at may be needed in connection with securing Letters Patents thereon.	
AND any and all divis	ASSIGNOI ions and co	R authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on intimutations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.	
The ur assignment infor properly record t	mation wh	hereby grani(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this ich may be necessary or desirable in order for the United States Patent and Trademark Office to ent.	
		IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR	
I herek fine or imprison	oy acknowl ment of no	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by more than five (5) years, or both.	
LEGAL NAME	OF ENVE	NTOR MATUSCHEK Date: OS M. ZOM	
_	Curistian	MATUSCHEK Date: \$75.797, 2.377	
Signature: _			

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Effective, September 16, 2012

PATENT REEL: 034526 FRAME: 0029

RECORDED: 12/17/2014