

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6070996

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JENS ECKSTEIN	07/15/2019
PETER REUSTLE	07/15/2019
MATHIAS HOHLMAYER	07/24/2019
UEMIT SEYHAN	01/17/2020
BENJAMIN MANDLMEIER	07/15/2019
MICHAEL REISING	09/07/2019
STEFAN KEMPF	07/24/2019
JAN-CHRISTOF JACOBI	07/15/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SINGULUS TECHNOLOGIES AG
<b>Street Address:</b>	FRAUNHOFERSTRASSE 9
<b>City:</b>	FUERSTENFELDBRUCK
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	82256
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16223014
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)359-9000
<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>	
<b>Phone:</b>	2063598000
<b>Email:</b>	patentprocurement@perkinscoie.com
<b>Correspondent Name:</b>	PERKINS COIE LLP- PAO GENERAL
<b>Address Line 1:</b>	P.O. BOX 1247
<b>Address Line 2:</b>	PATENT PROCUREMENT
<b>Address Line 4:</b>	SEATTLE, WASHINGTON 98111-1247
<b>ATTORNEY DOCKET NUMBER:</b>	112369-8001.US01
<b>NAME OF SUBMITTER:</b>	SOOJIN LEE
<b>SIGNATURE:</b>	/Soojin Lee/

PATENT

<b>DATE SIGNED:</b>	04/21/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 11</b> source=Dec_Assignment-112369-8001US01#page1.tif source=Dec_Assignment-112369-8001US01#page2.tif source=Dec_Assignment-112369-8001US01#page3.tif source=Dec_Assignment-112369-8001US01#page4.tif source=Dec_Assignment-112369-8001US01#page5.tif source=Dec_Assignment-112369-8001US01#page6.tif source=Dec_Assignment-112369-8001US01#page7.tif source=Dec_Assignment-112369-8001US01#page8.tif source=Dec_Assignment-112369-8001US01#page9.tif source=Dec_Assignment-112369-8001US01#page10.tif source=Dec_Assignment-112369-8001US01#page11.tif	

**DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN PATENT APPLICATION  
USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: DEVICE AND METHOD FOR TREATING SUBSTRATES USING A SUPPORT  
ROLLER HAVING A POROUS MATERIAL

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

United States application or PCT international application number 16/223,014 filed on Dec. 17, 2018.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. Section 1.56.

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the Attorney Docket Number provided above in the header of this document;

Whereas, **SINGULUS TECHNOLOGIES AG**, a corporation duly organized under and pursuant to the laws of Germany having its principal place of business at Fraunhoferstrasse 9, Fuerstenfeldbruck, 82256, desires to acquire and each undersigned inventor desires to grant to **SINGULUS TECHNOLOGIES AG**, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for one dollar (\$1.00) and good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor, hereinafter referred to as ASSIGNOR, hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to **SINGULUS TECHNOLOGIES AG**, hereinafter referred to as ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the Assignee, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by the Assignee, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute, without charge to said Assignee but at the Assignee's expense, any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in Assignee, its

successors, legal representatives, and assigns, whenever requested by the Assignee, its successors, legal representatives, or assigns.

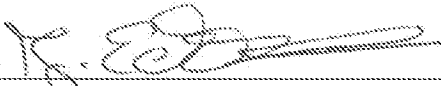
ASSIGNOR(S) grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to the Assignee and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants the assignee, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment.

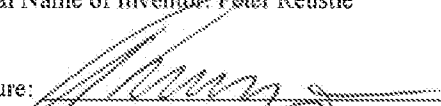
This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

1) Legal Name of Inventor: Jens Eckstein

Signature:  Date: 15/07/2019

2) Legal Name of Inventor: Peter Reustle

Signature:  Date: 15/07/2019


3) Legal Name of Inventor: Mathias Hohlmayer

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

4) Legal Name of Inventor: Uemit Seyhan

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

5) Legal Name of Inventor: Benjamin Mandlmeier

Signature:  Date: 07/15/2019

6) Legal Name of Inventor: Michael Reising

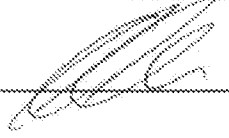
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

ATTORNEY DOCKET NUMBER: 112369-8001.US01

7) Legal Name of Inventor: Stefan Kempf

Signature: ..... Date: .....

8) Legal Name of Inventor: Jan-Christof Jacobi

Signature:  ..... Date: 15.07.2019

**DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN PATENT APPLICATION  
USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: DEVICE AND METHOD FOR TREATING SUBSTRATES USING A SUPPORT  
ROLLER HAVING A POROUS MATERIAL

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

United States application or PCT international application number 16/223,014 filed on Dec. 17, 2018.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. Section 1.56.

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the Attorney Docket Number provided above in the header of this document;

Whereas, **SINGULUS TECHNOLOGIES AG**, a corporation duly organized under and pursuant to the laws of Germany having its principal place of business at Fraunhoferstrasse 9, Fuerstenfeldbruck, 82256, desires to acquire and each undersigned inventor desires to grant to **SINGULUS TECHNOLOGIES AG**, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for one dollar (\$1.00) and good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor, hereinafter referred to as ASSIGNOR, hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to **SINGULUS TECHNOLOGIES AG**, hereinafter referred to as ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the Assignee, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by the Assignee, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute, without charge to said Assignee but at the Assignee's expense, any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in Assignee, its

successors, legal representatives, and assigns, whenever requested by the Assignee, its successors, legal representatives, or assigns.

ASSIGNOR(S) grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to the Assignee and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants the assignee, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

1) Legal Name of Inventor: Jens Eckstein

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

2) Legal Name of Inventor: Peter Reustle

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

3) Legal Name of Inventor: Mathias Hohlmayer

Signature: Mathias Hohlmayer Date: 24.07.19

4) Legal Name of Inventor: Uemit Seyhan

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

5) Legal Name of Inventor: Benjamin Mandlmeier

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

6) Legal Name of Inventor: Michael Reising

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

ATTORNEY DOCKET NUMBER: 112369-8001.US01

7) Legal Name of Inventor: Stefan Kempf

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

8) Legal Name of Inventor: Jan-Christof Jacobi

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



**DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN PATENT APPLICATION  
USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: DEVICE AND METHOD FOR TREATING SUBSTRATES USING A SUPPORT  
ROLLER HAVING A POROUS MATERIAL.

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

United States application or PCT international application number 16/223,014 filed on Dec. 17, 2018.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. Section 1.56.

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the Attorney Docket Number provided above in the header of this document;

Whereas, SINGULUS TECHNOLOGIES AG, a corporation duly organized under and pursuant to the laws of Germany having its principal place of business at Fraunhoferstrasse 9, Fuerstenfeldbruck, 82256, desires to acquire and each undersigned inventor desires to grant to SINGULUS TECHNOLOGIES AG, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for one dollar (\$1.00) and good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor, hereinafter referred to as ASSIGNOR, hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to SINGULUS TECHNOLOGIES AG, hereinafter referred to as ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the Assignee, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by the Assignee, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute, without charge to said Assignee but at the Assignee's expense, any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in Assignee, its

successors, legal representatives, and assigns, whenever requested by the Assignee, its successors, legal representatives, or assigns.

ASSIGNOR(S) grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to the Assignee and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants the assignee, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

1) Legal Name of Inventor: Jens Eckstein

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

2) Legal Name of Inventor: Peter Reustle

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

3) Legal Name of Inventor: Mathias Hohlmayer

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

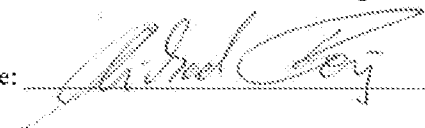
4) Legal Name of Inventor: Uemit Seyhan

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

5) Legal Name of Inventor: Benjamin Mandlmeier

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

6) Legal Name of Inventor: Michael Reising

Signature:  \_\_\_\_\_ Date: 9/7/19

ATTORNEY DOCKET NUMBER: 112369-8001.US61

7) Legal Name of Inventor: Stefan Kempf

Signature: Stefan Kempf Date: 07/24/79

8) Legal Name of Inventor: Jan-Christof Jacobi

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY  
OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)**

<b>Title of Invention</b>	DEVICE AND METHOD FOR TREATING SUBSTRATES USING A SUPPORT ROLLER HAVING A POROUS MATERIAL		
This statement is directed to:			
<input type="checkbox"/> The attached application,			
OR			
<input checked="" type="checkbox"/> United States application or PCT international application number <u>16/223,014</u> filed on <u>Dec 17, 2018</u>			
<b>LEGAL NAME of inventor to whom this substitute statement applies:</b>			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Ümit Seyhan			
Residence (except for a deceased or legally incapacitated inventor):			
<u>Fürstentfeldbruck</u> <small>City</small>	<u>Bavaria</u> <small>State</small>	<u>Germany</u> <small>Country</small>	
Mailing Address (except for a deceased or legally incapacitated inventor):			
Balduin Helm Straße 14			
<u>Fürstentfeldbruck</u> <small>City</small>	<u>Bavaria</u> <small>State</small>	<u>82256</u> <small>Zip</small>	<u>Germany</u> <small>Country</small>
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.			
The above-identified application was made or authorized to be made by me.			
I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
Relationship to the inventor to whom this substitute statement applies:			
<input type="checkbox"/> Legal Representative (for deceased or legally incapacitated inventor only),			
<input checked="" type="checkbox"/> Assignee,			
<input type="checkbox"/> Person to whom the inventor is under an obligation to assign,			
<input type="checkbox"/> Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or			
<input type="checkbox"/> Joint Inventor.			

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## SUBSTITUTE STATEMENT

Circumstances permitting execution of this substitute statement:

- Inventor is deceased,
- Inventor is under legal incapacity,
- Inventor cannot be found or reached after diligent effort, or
- Inventor has refused to execute the oath or declaration under 37 CFR 1.63.

If there are joint inventors, please check the appropriate box below:

- An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted.
- OR
- An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b).

### WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

### PERSON EXECUTING THIS SUBSTITUTE STATEMENT:

Name: Jens Eckstein

Date (Optional): 17.01.20

Signature: 

### APPLICANT NAME AND TITLE OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT:

If the applicant is a juristic entity, list the applicant name and the title of the signer:

SINGULUS TECHNOLOGIES AG

Applicant Name:

Title of Person Executing This Substitute Statement: Managing Director

The signer, whose title is supplied above, is authorized to act on behalf of the applicant.

Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent):

City

State

Country

Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)

Fraunhoferstrasse 9

City Fuerstenfeldbruck,

State

82256  
Zip

DE, Germany  
Country

Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached after diligent effort, or has refused to execute the oath or declaration under 37 CFR 1.63.