

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6347014

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
JAN MARIEN	10/05/2020
JENS HARTMANN	10/05/2020
PETRA SCHMIDT	10/05/2020
ANDREAS BAUM	10/05/2020
PHILLIP PRINZ	10/05/2020
STEFFEN BURK	10/01/2020
INGOLF LANGER	10/05/2020
ALEXANDER WITT	10/05/2020
JOERG ZIESCHE	10/05/2020
SIEGLINDE MUELLER	10/05/2020

**RECEIVING PARTY DATA**

<b>Name:</b>	ISABELLENHUETTE HEUSLER GMBH & CO. KG
<b>Street Address:</b>	EIBACHER WEG 3-5
<b>City:</b>	DILLENBURG
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	35683
<b>Name:</b>	SCHUNK SINTERMETALLTECHNIK GMBH
<b>Street Address:</b>	ROSSTRAPPENSTRASSE 62
<b>City:</b>	THALE
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	06502

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17047137

**CORRESPONDENCE DATA**

**Fax Number:** (215)751-1142

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PATENT

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**ATTORNEY DOCKET NUMBER:** B1180/20394

**NAME OF SUBMITTER:** DAVID M. TENER

**SIGNATURE:** /david m tener/

**DATE SIGNED:** 10/13/2020

**Total Attachments: 4**

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we the undersigned hereby sell, assign and transfer jointly, in equal shares, to:

Name: Isabellenhuette Heusler GmbH & Co. KG  
Address: Eibacher Weg 3-5, 35683 Dillenburg GERMANY

Name: Schunk Sintermetalltechnik GmbH  
Address: Rosstrassenstrasse 62, 06502 Thale GERMANY

their successors, assigns and legal representatives, all hereinafter referred to as the Assignees, my/our entire right, title and interest for the United States, in and to any and all inventions which are disclosed in the following application:

U.S. Patent Application Serial No.: 17/047,137  
Title: PRODUCTION METHOD FOR AN ELECTRICAL RESISTANCE ELEMENT AND CORRESPONDING RESISTANCE ELEMENT  
Filed: October 13, 2020  
Attorney Docket No: B1180/20394

and in and to said national phase application (based on PCT/EP2019/071395) and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States on said inventions.

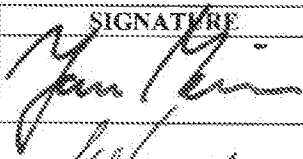
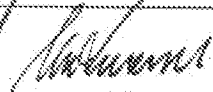
I/We agree that said Assignees may apply for and receive Letters Patent for said inventions in their own names; and when requested, without charge to, but at the expense of said Assignees, I/we agree to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignees all facts known to me/us relating to said inventions and the history thereof, and generally by doing everything possible which said Assignees shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all United States applications for patents and all United States patents on said inventions, in said Assignees.

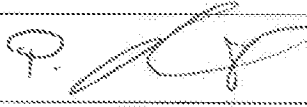
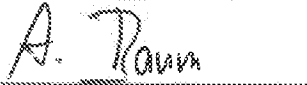

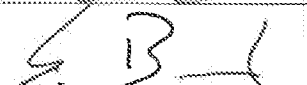
I/We hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignees.

I/We covenant with said Assignees that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us, and that full right to convey the same as herein expressed is possessed by me/us.

I/We hereby authorize said Assignees to insert on this Assignment the serial number and filing date of the above-identified application when they become available.

IN WITNESS WHEREOF, I/we have hereunto affixed my/our hand(s) and seal(s) on the date(s) set forth below, and further declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

NAME	ADDRESS	SIGNATURE	DATE
Jan MARIEN	Beethovenstrasse 15 35745 Herborn GERMANY		10-5-2020
Jens HARTMANN	Kastanienweg 4 35713 Eschenburg GERMANY		10-5-2020

Petra SCHMIDT	Muehlbachstrasse 2 35713 Eschenburg GERMANY		20-10-05
Andreas BAUM	Am Berg 14 35080 Bad Endbach GERMANY		05.10.20
Phillip PRINZ	Napoleonstock 15 35641 Schoeffengrund GERMANY		20.10.05
Steffen BURK	Auf der Bleiche 5 35075 Gladenbach GERMANY		20-10-01
Ingolf LANGER	Taubenbreite 35a 06484 Quedlinburg GERMANY		
Alexander WITT	Rathenaustrasse 29 06493 Ballenstedt GERMANY		
Joerg ZIESCHE	Wotanstrasse 21 06502 Thale GERMANY		
Sieglinde MUELLER	Stecklenberger Allee 57 06502 Thale GERMANY		

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For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we the undersigned hereby sell, assign and transfer jointly, in equal shares, to:

Name: Isabellenhuette Heusler GmbH & Co. KG  
Address: Eibacher Weg 3-5, 35683 Dillenburg GERMANY

Name: Schunk Sintermetalltechnik GmbH  
Address: Rosstrappenstrasse 62, 06502 Thale GERMANY

their successors, assigns and legal representatives, all hereinafter referred to as the Assignees, my/our entire right, title and interest for the United States, in and to any and all inventions which are disclosed in the following application:

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Title: PRODUCTION METHOD FOR AN ELECTRICAL RESISTANCE ELEMENT AND CORRESPONDING RESISTANCE ELEMENT  
Filed: October 13, 2020  
Attorney Docket No: B1180/20394

and in and to said national phase application (based on PCT/EP2019/071395) and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States on said inventions.

I/We agree that said Assignees may apply for and receive Letters Patent for said inventions in their own names; and when requested, without charge to, but at the expense of said Assignees, I/we agree to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignees all facts known to me/us relating to said inventions and the history thereof, and generally by doing everything possible which said Assignees shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all United States applications for patents and all United States patents on said inventions, in said Assignees.

I/We hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignees.

I/We covenant with said Assignees that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us, and that full right to convey the same as herein expressed is possessed by me/us.

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Jan MARIEN	Beethovenstrasse 15 35745 Herborn GERMANY		
Jens HARTMANN	Kastanienweg 4 35713 Eschenburg GERMANY		

B1180/20394 Assignment  
 U.S. National Phase of PCT/EP2019/071395

Petra SCHMIDT	Muehlbachstrasse 2 35713 Eschenburg GERMANY		
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Steffen BURK	Auf der Bleiche 5 35075 Gladenbach GERMANY		
Ingolf LANGER	Taubenbreite 35a 06484 Quedlinburg GERMANY	<i>[Signature]</i>	05.10.2020
Alexander WITT	Rathenaustrasse 29 06493 Ballenstedt GERMANY	<i>A. Witt</i>	05.10.2020
Joerg ZIESCHE	Wotanstrasse 21 06502 Thale GERMANY	<i>[Signature]</i>	5.10.2020
Sieglinde MUELLER	Stecklenberger Allee 57 06502 Thale GERMANY	<i>Sieglinde M. U.S.</i>	05.10.2020