504966002 06/19/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5012748

T F III F	Corrective Assignment to correct the 2ND ASSIGNEE INFORMATION THAT WAS INCORRECTLY LISTED previously recorded on Reel 040671 Frame 0863. Assignor(s) hereby confirms the 2ND ASSIGNEE INFORMATION IS OERLIKON SURFACE SOLUTIONS AG, PFAEFFIKON, CHURERSTRASSE 120, CH-8808 PFAEFFIKON, SWITZERLAND.

CONVEYING PARTY DATA

Name	Execution Date
PETER POLCIK	11/17/2016
SABINE WOERLE	11/17/2016
SIEGFRIED KRASSNITZER	10/28/2016
JUERG HAGMANN	11/02/2016

RECEIVING PARTY DATA

PLANSEE COMPOSITE MATERIALS GMBH
SIEBENBUERGERSTRASSE 23
LECHBRUCK AM SEE
GERMANY
D-86983
OERLIKON SURFACE SOLUTIONS AG, PFAEFFIKON
CHURERSTRASSE 120
PFAEFFIKON
I I ALI I IKON
SWITZERLAND

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15319022

CORRESPONDENCE DATA

Fax Number: (954)925-1101

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: 954-925-1100

Email: OFFICE@PATENTUSA.COM

Correspondent Name: LERNER GREENBERG STEMER LLP

Address Line 1: P.O. BOX 2480

> **PATENT** REEL: 047245 FRAME: 0963

504966002

Address Line 4:	Line 4: HOLLYWOOD, FLORIDA 33022-2480	
ATTORNEY DOCKET NUMBER:	SB-796	
NAME OF SUBMITTER:	RALPH E LOCHER	
SIGNATURE:	/ralph e locher/	
DATE SIGNED:	06/19/2018	
Total Attachments: 5		

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> PATENT REEL: 047245 FRAME: 0964



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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PETER POLCIK	11/17/2016
SABINE WOERLE	11/17/2016
SIEGFRIED KRASSNITZER	10/28/2016
JUERG HAGMANN	11/02/2016

RECEIVING PARTY DATA

Name:	PLANSEE COMPOSITE MATERIALS GMBH
Street Address:	SIEBENBUERGERSTRASSE 23
City:	LECHBRUCK AM SEE
State/Country:	GERMANY
Postal Code:	D-86983

Name:	OERLIKON SURFACE SOLUTIONS AG, TRUEBBACH
Street Address:	HAUPTSTRASSE 53
City:	TRUEBBACH
State/Countrý:	SWITZERLAND
Postal Code:	CH-9477

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number: 1	15319022	
CORRESPONDENCE DATA		
Fax Number: (954)925-1101 Phone: 954-925-1100 Email: OFFICE@PATENTUSA.COM 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 vla US Mail. Correspondent Name: LERNER GREENBERG STEMER LLP Address Line 1: P.O. BOX 2480 Address Line 4: HOLLYWOOD, FLORIDA 33022-2480		
ATTORNEY DOCKET NUMBER:	SB-796	
NAME OF SUBMITTER:	RALPH E LOCHER	
Signature:	/ralph e locher/	
Date:	12/19/2016	
Total Attachments: 3 source=SB-796-signed-decl-assign2#page1.tif source=SB-796-SignedAssignment-Krassnitzer#page1.tif source=SB-796-SignedAssignment-Hagmann#page1.tif		
RECEIPT INFORMATION		
EPAS ID: PAT4191412 Receipt Date: 12/19/2016		

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Docket No.: SB-796

ASSIGNMENT

WHEREAS We, PETER POLCIK, SABINE WOERLE, SIEGFRIED KRASSNITZER, and JUERG HAGMANN, residing respectively at Reutte, Pflach, and Feldkirch, Austria, and Sax, Switzerland, have invented certain new and useful improvements in a

SPUTTERING TARGET

described in International Application No. PCT/EP2015/001298, filed June 26, 2015, and for which an application for Letters Patent of the United States of America was executed on the date of execution of this assignment;

WHEREAS, PLANSEE COMPOSITE MATERIALS GMBH a German limited liability company doing business at Lechbruck am See, Germany and OERLIKON SURFACE SOLUTIONS AG, PFAEFFIKON a Swiss corporation doing business at Pfaeffikon, Switzerland, (hereinafter Assignees), are desirous of acquiring the entire interest in and to the invention, and in any and all Letters Patent of the United States that may be obtained therefor;

NOW, THEREFORE, be it known that for sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, we have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignees, their legal representatives, successors and assigns, the full and exclusive right in and to the said invention as fully set forth and described in the above-mentioned application, and to the application and any and all divisions and continuations thereof, and any and all Letters Patent of the United States which may be granted therefor, and any and all reissues of the Letters Patent, the same to be held and enjoyed by the said Assignee, its legal representatives, successors and assigns, to the full end of the term, for which the Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by us, had this assignment and sale not been made.

AND WE hereby authorize the said Assignees to make an application for Letters Patent and the Director to issue any and all Letters Patent of the United States on the invention or resulting from the application and from any and all divisions and continuations thereof to the said Assignees, as the assignees of the entire right, title and interest in and to the same.

Frolu2	(L.S.)	17 11 7016
PETER POLCIK		Date
Paline Work	(L.S.)	17.11.2016
SABINE WOERLE		Date
\mathcal{O}		
	(L.S.)	· manufacture and a second control of the se
SIEGRIED KRASSNITZER		Date
	(L.S.)	
JUERG HAGMANN		Date

REEL: 047245 FRAME: 0967

Docket No.: SB-796

ASSIGNMENT

WHEREAS We, PETER POLCIK, SABINE WOERLE, SIEGFRIED KRASSNITZER, and JUERG HAGMANN, residing respectively at Reutle, Pflach, and Feldkirch, Austria, and Sax, Switzerland, have invented certain new and useful improvements in a

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described in International Application No. PCT/EP2015/001298, filed June 26, 2015, and for which an application for Letters Patent of the United States of America was executed on the date of execution of this assignment;

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NOW, THEREFORE, be it known that for sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, we have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignees, their legal representatives, successors and assigns, the full and exclusive right in and to the said invention as fully set forth and described in the above-mentioned application, and to the application and any and all divisions and continuations thereof, and any and all Letters Patent of the United States which may be granted therefor, and any and all reissues of the Letters Patent, the same to be held and enjoyed by the said Assignee, its legal representatives, successors and assigns, to the full end of the term, for which the Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by us, had this assignment and sale not been made.

AND WE hereby authorize the said Assignees to make an application for Letters Patent and the Director to issue any and all Letters Patent of the United States on the invention or resulting from the application and from any and all divisions and continuations thereof to the said Assignees, as the assignees of the entire right, title and interest in and to the same.

	(L.S.)	
PETER POLCIK	· · · · · · · · · · · · · · · · · · ·	Date
	(L.S.)	
SABINE WOERLE	•	Date
	(L.S.)	28.10.2016
SEGRIED KRASSNITZER		Date
,	(L.S.)	
JUERG HAGMANN		Date

PATENT REEL: 047245 FRAME: 0968 Docket No.: SB-796

ASSIGNMENT

WHEREAS We, **PETER POLCIK, SABINE WOERLE, SIEGFRIED KRASSNITZER,** and **JUERG HAGMANN**, residing respectively at Reutte, Pflach, and Feldkirch, Austria, and Sax, Switzerland, have invented certain new and useful improvements in a

SPUTTERING TARGET

described in International Application No. PCT/EP2015/001298, filed June 26, 2015, and for which an application for Letters Patent of the United States of America was executed on the date of execution of this assignment;

WHEREAS, PLANSEE COMPOSITE MATERIALS GMBH a German limited liability company doing business at Lechbruck am See, Germany and OERLIKON SURFACE SOLUTIONS AG, PFAEFFIKON a Swiss corporation doing business at Pfaeffikon, Switzerland, (hereinafter Assignees), are desirous of acquiring the entire interest in and to the invention, and in any and all Letters Patent of the United States that may be obtained therefor;

NOW, THEREFORE, be it known that for sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, we have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignees, their legal representatives, successors and assigns, the full and exclusive right in and to the said invention as fully set forth and described in the above-mentioned application, and to the application and any and all divisions and continuations thereof, and any and all Letters Patent of the United States which may be granted therefor, and any and all reissues of the Letters Patent, the same to be held and enjoyed by the said Assignee, its legal representatives, successors and assigns, to the full end of the term, for which the Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by us, had this assignment and sale not been made.

AND WE hereby authorize the said Assignees to make an application for Letters Patent and the Director to issue any and all Letters Patent of the United States on the invention or resulting from the application and from any and all divisions and continuations thereof to the said Assignees, as the assignees of the entire right, title and interest in and to the same.

	(L.S.)		
PETER POLCIK		Date	
	(L.S.)		
SABINE WOERLE		Date	
	(L.S.)		
SIEGRIED KRASSNITZER		Date	
J. lle	(L.S.)		0 2 , Nov. 2016
JUERG HAGMANN	<u> </u>	Date	

PATENT REEL: 047245 FRAME: 0969

RECORDED: 06/19/2018