504747232 01/25/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4793960

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPH SIMONS	12/05/2017
ANDREAS HERZOG	12/14/2017
MARKUS SCHULTHEIS	12/05/2017
ANNA SCHOTT	12/21/2017

RECEIVING PARTY DATA

Name:	MATERION ADVANCED MATERIALS GERMANY GMBH
Street Address:	HERAEAUSSTRASSE 12-14
City:	HANAU
State/Country:	GERMANY
Postal Code:	63450

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15829452

CORRESPONDENCE DATA

Fax Number: (216)363-9001

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: 216.363.9000

Email: uspto@faysharpe.com **Correspondent Name: FAY SHARPE LLP**

Address Line 1: 1228 EUCLID AVENUE, 5TH FLOOR

Address Line 2: THE HALLE BUILDING Address Line 4: CLEVELAND, OHIO 44115

ATTORNEY DOCKET NUMBER:	MATE 200322US01
NAME OF SUBMITTER:	RICHARD M. KLEIN
SIGNATURE:	/Richard M. Klein/
DATE SIGNED:	01/25/2018

Total Attachments: 5

source=Executed Assignment#page1.tif source=Executed_Assignment#page2.tif

source=Executed_Assignment#page3.tif
source=Executed_Assignment#page4.tif
source=Executed_Assignment#page5.tif

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned, **Christoph Simons** of Biebergemünd, DE, **Andreas Herzog** of Bruchköbel, DE, **Markus Schultheis** of Flieden, DE and **Anna Schott** of Hösbach, DE

who has/have created a certain invention for which an application for United States Letters Patent has been

executed concurrently herewith	
executed on	
filed as U.S. Serial No. 15/829,452 on	December 1, 2017
filed as International Application No.	on

and is entitled

ZIRCONIUM OXIDE BASED SPUTTERING TARGET

Do hereby sell, assign and transfer to Materion Advanced Materials Germany GmbH, having a place of business at Heraeusstrasse 12-14, 63450, Hanau, DE (hereinafter Assignee) its successors, assigns, and legal representatives, the full and exclusive right, title, and interest in and to said invention and said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, reexaminations, extensions thereof, and all other forms of protection relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions agreements, acts, and treaties;

Agree that said Assignee may apply for and receive Letters Patent for said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reexaminations, reissues, and extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Assignee to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

IN TESTIMONY WHEREOF I/WE have hereunto set MY/OUR signature(s) on the date(s) indicated below.

Signed at Hanan	on Dec OS	, 201 <u>7</u>
Chill Limon		
Christop Simons	MARKATA	
Witnesses:		
Man Dush		
Printed Name: Markus Schu	eltheir	
Genzelen		76
Printed Name: <u>Geng</u> Hu		

Signed at Hanan	on <u> </u>	, 201 <u>7</u> .
Cl. Rung		
Andreas Herzog		
/		
Witnesses:		
Morn Duk		
Printed Name: MARUUS SC	<u>HULTHE</u> IS	
Me Mounth		
Printed Name: <u>UWE KOL</u>	VIETZKA	

Attorney Docket No. MATE 200322US01
Page 4

Signed at <u>Hanau</u>	on Dec	05	, 201_7_
Marin Drate			
Markus Schultheis			
Witnesses:			
Mind Minson Printed Name: Christoph			
Printed Name: Christoph	Simous		
Genzlen			
Drintad Nama: GRAG HIA			

Attorney Docket No. MATE 200322US01 Page 5

Signed at Hosbach	on <u>Dec</u>	21	, 201 <u>7</u>
1. Scholl			
Anna Schott			
Witnesses:			
Printed Name: P. Sub-	#		
D. alut			
Printed Name:	#		

RECORDED: 01/25/2018