

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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EPAS ID: PAT5330984

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GARY ALAN ROZAK	03/02/2016
MARK E. GAYDOS	02/23/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	H.C. STARCK INC.
<b>Street Address:</b>	45 INDUSTRIAL PLACE
<b>City:</b>	NEWTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02461-1951
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16238844
<b>Application Number:</b>	15890463
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)739-3001
<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>	202-739-3000
<b>Email:</b>	patents@morganlewis.com, penny.coelho@morganlewis.com
<b>Correspondent Name:</b>	MATTHEW T. CURRIE
<b>Address Line 1:</b>	MORGAN, LEWIS, & BOCKIUS LLP (B0)
<b>Address Line 2:</b>	1111 PENNSYLVANIA AVENUE, NW&#8203;
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004-2541
<b>ATTORNEY DOCKET NUMBER:</b>	HCS-092DVC2/107501-5142
<b>NAME OF SUBMITTER:</b>	MATTHEW T. CURRIE
<b>SIGNATURE:</b>	/MATTHEW T. CURRIE/
<b>DATE SIGNED:</b>	01/17/2019
<b>Total Attachments: 2</b>	
source=HCS-092DVC1 Executed Combined Declaration and Assignment#page1.tif	
source=HCS-092DVC1 Executed Combined Declaration and Assignment#page2.tif	

COMBINED DECLARATION & ASSIGNMENT

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION: This declaration is for an original application.

INVENTORSHIP IDENTIFICATION: My residence, post office address and citizenship are as stated below, next to my name. I believe that I am an original inventor, or an original joint inventor of the subject matter that is claimed, and for which a patent is sought on the invention entitled: MULTI-BLOCK SPUTTERING TARGET AND ASSOCIATED METHODS AND ARTICLES

SPECIFICATION IDENTIFICATION:  The attached application;

Application Number filed on \_\_\_\_\_, 20\_\_\_\_, Serial Number \_\_\_\_\_ / \_\_\_\_\_ (and do hereby authorize Assignee or its designee to insert here the application number and filing date).

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR: I hereby state that the filing of the above-identified application was made or authorized to be made by me. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims. I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56.

DECLARATION: I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

ASSIGNMENT OF INVENTION: In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:  
Gary Alan Rozak  
3334 Shade Rd.  
Akron, OH 44333  
Nationality: US

hereby sell, assign and transfer to

ASSIGNEE:  
H.C. Starck Inc.  
48 Industrial Place  
Newton, MA 02461  
State or Country of Formation: US

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and any foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the above-referenced application (\_\_\_\_\_ filed on \_\_\_\_\_, (and do hereby authorize Assignee or its designee to insert here the application number and filing date)

including the right to claim priority in the United States or in any foreign countries, in and to US Patent Application No.: 13/467,323, filed May 8, 2012; and US Provisional Patent Application No.: 61/484,460, filed May 10, 2011 (the entire right, title and interest in each such application are also hereby sold, assigned and transferred to Assignee to the extent not already done so); and, in and to, all Letters Patent to be obtained for said invention by the above-referenced application or any continuation, continuation-in-part, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof, including any and all rights to sue for past damages. ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment. ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said United States application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes thereof.

Inventor's Signature: [Signature]  
Gary Alan Rozak

Residence: Akron, OH

Date: 3/2/2016

Post Office Address: 3334 Shade Rd.  
Akron, OH 44333

Citizenship: US

SUBSCRIBING WITNESS AFFIDAVIT OF EXECUTION OF AN ASSIGNMENT

[Signature]  
Brenda L. Brinkman

Whose full post office address is: 21801 Turanton Rd, Euclid, OH 44117  
Street, City, Postal Code, Country

Make oath and say that I was personally present and did see GARY ROZAK who is personally known or identified to me to be the inventor named in the attached assignment. I do sign and execute the same for the purposes therein stated.

Signed at: 21801 Turanton Rd, Euclid, OH 44117

On this 2nd day of March, 2016

[Signature]  
Brenda L. Brinkman  
Subscribing Witness

COMBINED DECLARATION & ASSIGNMENT

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION: This declaration is for an original application.

INVENTORSHIP IDENTIFICATION: My residence, post office address and citizenship are as stated below, next to my name. I believe that I am an original inventor, or an original joint inventor of the subject matter that is claimed, and for which a patent is sought on the invention entitled: MULTI-BLOCK SPUTTERING TARGET AND ASSOCIATED METHODS AND ARTICLES

SPECIFICATION IDENTIFICATION:  The attached application:

Application Number filed on \_\_\_\_\_, 20\_\_\_\_ Serial Number \_\_\_\_\_ / \_\_\_\_\_ (and do hereby authorize Assignee or its designee to insert here the application number and filing date).

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR: I hereby state that the filing of the above-identified application was made or authorized to be made by me. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims. I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56.

DECLARATION: I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

ASSIGNMENT OF INVENTION: in consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR: hereby sell, assign and transfer to  
Mark E. Gaydos  
15 Lutheran Dr.  
Nashua, NH 03063  
Nationality: US

ASSIGNEE:  
H.C. Starck Inc.  
45 Industrial Place  
Newton, MA 02461  
State or Country of Formation: US

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and any foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the above-referenced application (\_\_\_\_\_ filed on \_\_\_\_\_, (and do hereby authorize Assignee or its designee to insert here the application number and filing date)

including the right to claim priority in the United States or in any foreign countries, in and to US Patent Application No.: 13/467,323, filed May 9, 2012; and US Provisional Patent Application No.: 61/484,450, filed May 10, 2011 (the entire right, title and interest in each such application are also hereby sold, assigned and transferred to Assignee to the extent not already done so); and, in and to, all Letters Patent to be obtained for said invention by the above-referenced application or any continuation, continuation-in-part, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof, including any and all rights to sue for past damages. ASSIGNOR hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment. ASSIGNOR further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said United States application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes thereof.

Inventor's Signature: Mark E. Gaydos

Residence: Nashua, NH

Date: 2/23/2016

Post Office Address: 15 Lutheran Dr.  
Nashua, NH 03063

Citizenship: US

SUBSCRIBING WITNESS AFFIDAVIT OF EXECUTION OF AN ASSIGNMENT

VICTORIA CHESTERLEY

Whose full post office address is: 15 Lutheran Drive Nashua NH 03063 USA  
Street, City, Postal Code, Country

Make oath and say that I was personally present and did see Mark Gaydos who is personally known or identified to me to be the inventor named in the attached assignment, duly sign and execute the same for the purposes therein stated.

Signed at: NASHUA NH

On this 23rd day of FEBRUARY, 2016

Victoria Chesterley  
Subscribing Witness