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To the Director of the U.S. Patent and Trademark O	ffice: Please record the attached documents or the new address(es) below.
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
l) Prabhat Kumar	Name: H.C. Starck Inc.
2) Charles Wood	Internal Address:
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Additional name(s) of conveying party(ies) attached? $\overline{ extbf{X}}$ Y	√es □ No □ · · · · · · · · · · · · · · · · · ·
3. Nature of conveyance/Execution Date(s):	Street Address: 45 Industrial Place
Execution Date(s) 1/5/07; 1/11/07; 1/12/07; 1/8/07; 1/11/0	07; 1/8/07
X Assignment Merger	-
Security Agreement Change of	Name City: Nerwton
Joint Research Agreement	State: MA
Government Interest Assignment	Country United States of America 7in 02161 1051
Executive Order 9424, Confirmatory Licens	se Country: <u>United States of America</u> Zip: 02161-1951
Other	Additional name(s) & address(es) attached? Yes X No
4. Application or patent number(s):	This document is being filed together with a new application
A. Patent Application No.(s)	B. Patent No.(s)
To be Assigned	· ·
Herewith	
PO8935/MD06-21	
Additional n	numbers attached? Yes XNo
5. Name and address to whom corresponde	ence 6. Total number of applications and patents
concerning document should be mailed:	involved:
Name: Bayer MaterialScience LLC	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
Internal Address:	Authorized to be charged by credit card
	X Authorized to be charged to deposit account
Chrost Address 100 Daver Board	Enclosed
Street Address: 100 Bayer Road	None required (government interest not affecting title
Piud val	8. Payment Information
City: Pittsburgh	
State: <u>PA</u> Zip: 15205-974	a. Credit Card Last 4 Numbers Expiration Date
Phone Number: (412) 777-3860	· · · · · · · · · · · · · · · · · · ·
Fax Number: <u>(412)</u> 777-3902	b. Deposit Account Number 13-3848
	Authorized User Name
Email Address:	<u> </u>
9. Signature:	1/16/07
S (gha	ture 'Date'
Donna J. Veatch	Total number of pages including cover sheet, attachments, and documents:
Name of Person Signin	cover sheet) should be faxed to (571) 273-0140, or mailed to:
	s, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450
01/19/2007 MJAMA1 00000071 133848 11	1653816
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I. Nam	e of conveying party(ies):	
	3) Gary Rozak	4) Steven A. Miller
	5) Glen Zeman	6) Rong-Chein Richard Wu
	Additional name(s) of conveying party(ies) attached?	☐ Yes ဩ No
	e and address of receiving party(ies)	
	nal Address:	
Stree	et Address:	
_	State:	
Nam Nam	ne and address of receiving party(ies)	
	nal Address:	
	et Address:	
City:	Additional name(s) 8 address(es) attached?	
	Additional name(s) & address(es) attached?	Yes 🛂 No
• •	lication number(s) or patent number(s):	
If this	s document is being filed together with a new applica	ation, the execution date of the application is:
	A. Patent Application No.(s)	B. Patent No.(s)
		4.499
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ASSIGNMENT

WHEREAS We, 1) Prabhat Kumar; 2) Charles Wood; 3) Gary Rozak; 4) Steven A. Miller;
5) Glen Zeman; 6) Rong-Chein Richard Wu
of 1) 31 Pinewood Drive, Framingham, MA 01701-7656; 2) 183 Fairfield Drive, Coldwater, MA
49036; 3) 3334 Shade Rd., Akron, OH 44333; 4) 300 Walpole Street, Canton, MA 02021; 5) 111
Arrowhead Drive, Coldwater MI 49036; 6) 3 Rosemary Lane, Chelmsford, MA 01824-4657
have invented certain improvements in <u>HIGH DENSITY REFRACTORY METALS & ALLOYS</u>
SPUTTERING TARGETS
described in a patent application executed by us and identified in the United States Patent Office as
follows:
Serial No.:To be Assigned
Filed: Herewith
and Attorney's Docket No.: PO8935/MD06-21; and
WHEREAS, H.C. STARCK INC. of Newton, Massachusetts, a corporation of the State of Massachusetts, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefore; this document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one and the same document.
NOW, THEREFORE, for valuable consideration and in accordance with the obligations in our_employment contracts with H.C. STARCK INC., we_do hereby sell, assign and transfer unto said H.C. STARCK INC., its successors and assigns, the entire right, title, and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also any improvements on said invention or inventions now or hereafter made by us_during the period of our_employment; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention, inventions or improvements and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention, inventions or improvements in this or any foreign country; and we_hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said H.C. STARCK INC., as assignee of the entire interest.
We further agree, without any payment by H.C. STARCK INC., other than expenses incurred by the undersigned, to communicate to said H.C. STARCK INC., its representatives or agents, any facts relating to said invention, inventions or improvements, including evidence for interference purposes or for other legal proceedings, whenever requested, testify in any interference or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.
SIGNED AT <u>Newton</u> , <u>Massachusetts, USA</u> .
January 5, 2007 (L.S.) 1) Prophet Kumar

SIGNED AT _	Coldwater,	Michigan, USA
1 / // / (Date)	07	(L.S.) 2) Mail B. Word Charles Wood
SIGNED AT _		Ohio, USA
(Date)		(L.S.) 3) Gary Rozak
SIGNED AT _	Newton,	Massachusetts, USA .
//8/1007 (Date)	,	(L.S.) 4) Steven A. Miller
SIGNED AT _	Coldwater,	Michigan, USA .
(Date)		(L.S.) 5) Glen Zeman
SIGNED AT _	Newton ,	Massachusetts, USA .
Date)	,,,	(L.S.) 6) Rong-Chein Richard Wu

/vjt/8935assignment

RECORDED: 01/16/2007