

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Alexander MUKASYAN	05/15/2009
RECEIVING PARTY DATA	
Name:	THE UNIVERSITY OF NOTRE DAME DU LAC
Street Address:	511 Main Building
City:	Notre Dame
State/Country:	INDIANA
Postal Code:	46556
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12473857
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ATTORNEY DOCKET NUMBER:	H0022032-1160 (0534PUS1)
NAME OF SUBMITTER:	D. Richard Anderson
Total Attachments: 1 source=20090528Assignment2#page1.tif	

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ASSIGNMENT

WHEREAS, **DR. Alexander Mukasyan**, whose office address appears below (hereinafter referred to as ASSIGNOR), has invented a certain new and useful invention entitled: **"TITANIUM CARBIDE OR TUNGSTEN CARBIDE WITH COMBUSTION SYNTHESIS TO BLOCK POROSITY IN C-C BRAKE DISCS FOR ANTIOXIDATION PROTECTION"**, (hereinafter referred to as THE INVENTION) for which a United States Utility Patent Application is being executed on even date herewith;

WHEREAS, **THE UNIVERSITY OF NOTRE DAME DU LAC**, whose post office address is **511 Main Building, Notre Dame, Indiana**, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the ASSIGNOR'S entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I, ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the ASSIGNOR'S entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the ASSIGNOR'S entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the ASSIGNOR'S entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

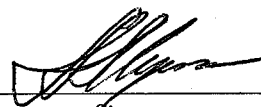
ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the invention that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE'S request documents and information concerning the enforcement of the right to sue within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the ASSIGNOR'S entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behalf; and for the use and behalf of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Dr. Alexander Mukasyan
275B Fitzpatrick Hall
Notre Dame, IN 46556



Signature

05-15-09

Date

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