

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Assignment document previously recorded on Reel 027088 Frame 0737. Assignor(s) hereby confirms the Assignment of Assignor's interest.										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>RAFAEL J. ZALDIVAR</td><td>10/18/2011</td></tr><tr><td>JAMES P. NOKES</td><td>10/18/2011</td></tr><tr><td>HYUN I. KIM</td><td>10/19/2011</td></tr></tbody></table>		Name	Execution Date	RAFAEL J. ZALDIVAR	10/18/2011	JAMES P. NOKES	10/18/2011	HYUN I. KIM	10/19/2011		
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HYUN I. KIM	10/19/2011										
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<table border="1"><tr><td>Name:</td><td>THE AEROSPACE CORPORATION</td></tr><tr><td>Street Address:</td><td>2310 E. EL SEGUNDO BLVD.</td></tr><tr><td>City:</td><td>EL SEGUNDO</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>90245</td></tr></table>		Name:	THE AEROSPACE CORPORATION	Street Address:	2310 E. EL SEGUNDO BLVD.	City:	EL SEGUNDO	State/Country:	CALIFORNIA	Postal Code:	90245
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PROPERTY NUMBERS Total: 1											
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Application Number:	13276942										
CORRESPONDENCE DATA											
Fax Number: (310)824-9696											
Phone: 3108245555											
Email: docketla@fulpat.com											
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name: Fulwider Patton LLP											
Address Line 1: 6060 Center Drive, 10th Fl.											
Address Line 4: Los Angeles, CALIFORNIA 90045											
ATTORNEY DOCKET NUMBER:	TAC-86981										
NAME OF SUBMITTER:	Gunther O. Hanke										

501716675

PATENT
REEL: 027195 FRAME: 0945

CH \$40.00 13276942

Total Attachments: 7

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ASSIGNMENT

This Assignment made by RAFAEL J. ZALDIVAR of Huntington Beach, California; JAMES P. NOKES of Torrance, California; and HYUN I. KIM of Yorba Linda, California, Assignors, to THE AEROSPACE CORPORATION, a California corporation, Assignee, having a place of business at 2310 E. El Segundo Boulevard, El Segundo, California 90245.

11/07/11

RZ
HIK
JPN

WHEREAS, Assignors have invented a new and useful CARBONACEOUS NANO-SCALED MATERIALS HAVING HIGHLY FUNCTIONALIZED SURFACE for which a ~~provisional~~ application has been executed by them this day; and,

11/07/11

RZ
HIK
JPN

WHEREAS, Assignors believe themselves to be the original, first, and joint inventors of the invention disclosed and claimed in said ~~provisional~~ application; and

11/07/11

RZ
HIK
JPN

WHEREAS, Assignee desires to acquire by formal, recordable assignment the entire right, title and interest in and to said invention, said ~~provisional~~ application, and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors, hereby sell, assign and transfer to Assignee, their successors and assigns, the entire right, title and interest in and to the improvements of said invention, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations, renewals, substitutions, reexaminations and extensions thereof, together with the right to sue for past infringement of any of the foregoing and all rights of priority resulting from the filing of said United States patents and applications, and authorize and request any official whose duty it is to issue patents, to issue any patent on said improvements or resulting therefrom to said Assignee, or its successors or assigns and agree that on request and without further consideration, but at the expense of Assignee, Assignors will communicate to said Assignee, or its representatives or nominees, any facts known to Assignors respecting said improvements and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee its successors, assigns and nominees, to obtain and enforce proper patent protection for said inventions in all countries. Assignors covenant with

said Assignee, its successors and assigns, that the rights and property hereby covered are free and clear of any encumbrances, and that they has full right to convey the same as herein expressed.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

11/07/11

RZ
HJK
JPN

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said ~~provisional~~ application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

IN WITNESS WHEREOF, Assignors have executed this Assignment on the date written herein below.

Assignor:

Date: Oct 18, 2011

Rafael J. Zaldivar
RAFAEL J. ZALDIVAR

Assignor:

Date: 10-18-11

James P. Nokes
JAMES P. NOKES

Assignor:

Date: 10-19-11

Hyun L. Kim
HYUN L. KIM

PATENT ASSIGNMENT

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Phone:	310-824-5555								
Email:	docketla@fulpat.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	FULWIDER PATTON LLP								
Address Line 1:	HOWARD HUGHES CENTER								
Address Line 2:	6060 CENTER DRIVE, TENTH FLOOR								
Address Line 4:	LOS ANGELES, CALIFORNIA 90045								
ATTORNEY DOCKET NUMBER:	TAC 86981								
NAME OF SUBMITTER:	Gunther O. Hanke								
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif									

CH \$40.00 13276942



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

OCTOBER 19, 2011

PTAS

FULWIDER PATTON LLP
HOWARD HUGHES CENTER
6060 CENTER DRIVE, TENTH FLOOR
LOS ANGELES, CA 90045

501696398

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 10/19/2011

REEL/FRAME: 027088/0737
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: TAC 86981

ASSIGNOR:
ZALDIVAR, RAFAEL J.

DOC DATE: 10/18/2011

ASSIGNOR:
NOKES, JAMES P.

DOC DATE: 10/18/2011

ASSIGNOR:
KIM, HYUN I.

DOC DATE: 10/19/2011

ASSIGNEE:
THE AEROSPACE CORPORATION
2310 E. EL SEGUNDO BLVD.
EL SEGUNDO, CALIFORNIA 90245

APPLICATION NUMBER: 13276942
PATENT NUMBER:

FILING DATE:
ISSUE DATE:

TITLE: CARBONACEOUS NANO-SCALED MATERIALS HAVING HIGHLY FUNCTIONALIZED SURFACE

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

ASSIGNMENT

This Assignment made by RAFAEL J. ZALDIVAR of Huntington Beach, California; JAMES P. NOKES of Torrance, California; and HYUN I. KIM of Yorba Linda, California, Assignors, to THE AEROSPACE CORPORATION, a California corporation, Assignee, having a place of business at 2310 E. El Segundo Boulevard, El Segundo, California 90245.

WHEREAS, Assignors have invented a new and useful CARBONACEOUS NANO-SCALED MATERIALS HAVING HIGHLY FUNCTIONALIZED SURFACE for which a provisional application has been executed by them this day; and,

WHEREAS, Assignors believe themselves to be the original, first, and joint inventors of the invention disclosed and claimed in said provisional application; and

WHEREAS, Assignee desires to acquire by formal, recordable assignment the entire right, title and interest in and to said invention, said provisional application, and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors, hereby sell, assign and transfer to Assignee, their successors and assigns, the entire right, title and interest in and to the improvements of said invention, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations, renewals, substitutions, reexaminations and extensions thereof, together with the right to sue for past infringement of any of the foregoing and all rights of priority resulting from the filing of said United States patents and applications, and authorize and request any official whose duty it is to issue patents, to issue any patent on said improvements or resulting therefrom to said Assignee, or its successors or assigns and agree that on request and without further consideration, but at the expense of Assignee, Assignors will communicate to said Assignee, or its representatives or nominees, any facts known to Assignors respecting said improvements and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee its successors, assigns and nominees, to obtain and enforce proper patent protection for said inventions in all countries. Assignors covenant with

said Assignee, its successors and assigns, that the rights and property hereby covered are free and clear of any encumbrances, and that they has full right to convey the same as herein expressed.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said provisional application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

IN WITNESS WHEREOF, Assignors have executed this Assignment on the date written herein below.


Assignor:

Date: Oct 18, 2011


RAFAEL J. ZALDIVAR

Assignor:

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JAMES P. NOKES

Assignor:

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HYUN I. KIM