

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jawad Naciri</td> <td>08/18/2004</td> </tr> <tr> <td>Hong Jeon</td> <td>08/16/2004</td> </tr> <tr> <td>Banahalli Ratna</td> <td>08/16/2004</td> </tr> <tr> <td>Patrick Keller</td> <td>06/21/2005</td> </tr> </tbody> </table>		Name	Execution Date	Jawad Naciri	08/18/2004	Hong Jeon	08/16/2004	Banahalli Ratna	08/16/2004	Patrick Keller	06/21/2005		
Name	Execution Date												
Jawad Naciri	08/18/2004												
Hong Jeon	08/16/2004												
Banahalli Ratna	08/16/2004												
Patrick Keller	06/21/2005												
RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>The Government of the United States, as respresented by the Secretary of the Navy</td> </tr> <tr> <td>Street Address:</td> <td>875 N Randolph St</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 1425</td> </tr> <tr> <td>City:</td> <td>Arlington</td> </tr> <tr> <td>State/Country:</td> <td>VIRGINIA</td> </tr> <tr> <td>Postal Code:</td> <td>22203</td> </tr> </table>		Name:	The Government of the United States, as respresented by the Secretary of the Navy	Street Address:	875 N Randolph St	Internal Address:	Suite 1425	City:	Arlington	State/Country:	VIRGINIA	Postal Code:	22203
Name:	The Government of the United States, as respresented by the Secretary of the Navy												
Street Address:	875 N Randolph St												
Internal Address:	Suite 1425												
City:	Arlington												
State/Country:	VIRGINIA												
Postal Code:	22203												
PROPERTY NUMBERS Total: 1													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12846069</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12846069								
Property Type	Number												
Application Number:	12846069												
CORRESPONDENCE DATA													
<p>Fax Number: (202)404-7380</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-404-1556</p> <p>Email: joe.grunkemeyer@nrl.navy.mil</p> <p>Correspondent Name: Joseph T Grunkemeyer</p> <p>Address Line 1: 4555 Overlook Ave, SW</p> <p>Address Line 2: Code 1008.2</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20375</p>													
ATTORNEY DOCKET NUMBER:	100659-US1												
NAME OF SUBMITTER:	Joseph T Grunkemeyer												

CH \$40.00 12846069

501247309

PATENT
REEL: 024760 FRAME: 0325

Total Attachments: 3

source=98205 Assignment#page1.tif

source=98205 Assignment#page2.tif

source=98205 Assignment#page3.tif

ASSIGNMENT

Navy Case No. 96,267

Page 1 of 2

WHEREAS, I/We, Jawad Naciri, of Herndon, VA, Banahalli R. Ratna, of Woodbridge, VA and Hong Jeon of Carlsbad, CA, while employed by the Government of the United States, have invented certain new and useful improvements in "NEMATIC ELASTOMER FIBER", identified as Navy Case No. 96,267 and described in application for Letters Patent of the United States of America executed by us; and:

WHEREAS, the Government of the United States, represented by the Secretary of the Navy and hereinafter referred to as the Government, is desirous of acquiring an assignment of the invention disclosed in said application and other rights and benefits herein granted; and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration the receipt of which is hereby acknowledged, I hereby assign and transfer to the Government the entire right, title and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division, or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the Government to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this assignment not been made.


I/We do hereby also grant unto the Government, the option to take the entire right, title and interest in the invention and all patent applications or other forms of protection thereon in all countries foreign to the United States in which the Government may file, or cause to be filed, applications for Letters Patent or other forms of protection, without payment of any consideration; provided, however, that this grant of an option to take foreign rights in the invention, or applications or other forms of protection thereon, shall have force and effect only as to such applications for which a decision to file in foreign countries is made within eight months of the filing date of any application for United States Letters Patent covering the invention, or within eight months from the declassification of the invention, whichever is later, and that all foreign rights not exercised under the option are left to me subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on said invention in any foreign country, including the power to issue sub-licenses for use in behalf of the Government and/or in furtherance of the foreign policies of the Government.

I/We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising through such efforts will be paid by the Government.

IN TESTIMONY WHEREOF, I/We have set my hand and affixed my seal.


Jawad Naciri

DATE: 6/14/04


Banahalli Ratna

DATE: 8/16/04

08/16/04 MON 13:00 FAX 02 404 7380

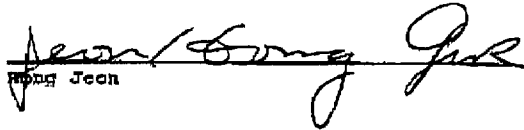
NRL CODE 1008.. PATENTS

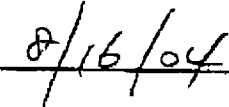
005

ASSIGNMENT

Navy Case No. 96,267

Page 2 of 2


Jeon Jeon

DATE: 

ASSIGNMENT

Navy Case No. 96,267
Page 1 of 1

TITLE: NEMATIC ELASTOMER FIBER WITH MECHANICAL PROPERTIES OF A MUSCLE
INVENTORS: Jawad Naciri, Manahalli Ratna, Patrick Keller, Hong Jeon
SERIAL NO: 10/923,165
FILING DATE: 8/18/2004
SUBCONTRACTOR: Patrick Keller
CONTRACTOR: Geo-Centers, Inc.
CONTRACT NO.: N00173-98-D-2014
GOVERNMENT AGENCY: US Naval Research Laboratory

I, Patrick Keller, pursuant to my obligation as a Subcontractor under the above contract to the US Government, hereby assign to the United States of America, subject to a nonexclusive and royalty-free license which is hereby reserved to the Subcontractor, all rights, title and interest in and to the above-titled invention and to any US patent application and any foreign patent application that corresponds thereto.

I further agree to assist the US Government, upon request, by furnishing any available information and documents, and by performing all acts and doing all things which may be reasonably necessary to make this agreement effective.

The Subcontractor's employer(s) and/or sponsor(s) join in and agree to the foregoing assignment, and except for the above reservation of a license, relinquish and assign all right, title and interest in and to such invention to which they would otherwise be entitled, and further agree to furnish to the United States of America, upon request, any available information and documents necessary for the prosecution of any patent application (including prosecution and settlement of interferences) on the above-identified invention, and any substitution, division, continuation-in-part, or continuation of such patent application and any application for reissue of any patent resulting from such patent application.

The US Government acknowledges that the below signed employer(s)/sponsor(s) of the Subcontractor may be entitled to share in or entirely obtain the license retained by the Subcontractor in accordance with applicable law and/or agreements. Any such license obtained shall extend to all existing and future associated and affiliated companies, if any within the corporate structure of the Subcontractor and shall be assignable to the successor of that part of the Subcontractor's business to which such invention pertains.



Patrick Keller

DATE: 06/21/2005

Employer/Sponsor

by _____

DATE: _____

Employer/Sponsor

by _____

DATE: _____

PATENT