

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<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>Souheil Benzerrouk</td> <td>06/09/2009</td> </tr> <tr> <td>Reinhold Ludwig</td> <td>04/14/2009</td> </tr> <tr> <td>Diran Apelian</td> <td>04/14/2009</td> </tr> </tbody> </table>		Name	Execution Date	Souheil Benzerrouk	06/09/2009	Reinhold Ludwig	04/14/2009	Diran Apelian	04/14/2009		
Name	Execution Date										
Souheil Benzerrouk	06/09/2009										
Reinhold Ludwig	04/14/2009										
Diran Apelian	04/14/2009										
<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Worcester Polytechnic Institute</td> </tr> <tr> <td>Street Address:</td> <td>100 Institute Road</td> </tr> <tr> <td>City:</td> <td>Worcester</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>01619</td> </tr> </table>		Name:	Worcester Polytechnic Institute	Street Address:	100 Institute Road	City:	Worcester	State/Country:	MASSACHUSETTS	Postal Code:	01619
Name:	Worcester Polytechnic Institute										
Street Address:	100 Institute Road										
City:	Worcester										
State/Country:	MASSACHUSETTS										
Postal Code:	01619										
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>12304520</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12304520						
Property Type	Number										
Application Number:	12304520										
<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (617)345-3299</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-345-3000</p> <p>Email: mschepper@burnslev.com</p> <p>Correspondent Name: BURNS &amp; LEVINSON, LLP</p> <p>Address Line 1: 125 SUMMER STREET</p> <p>Address Line 2: Attn: Marlo M. Schepper</p> <p>Address Line 4: BOSTON, MASSACHUSETTS 02110</p>											
ATTORNEY DOCKET NUMBER:	30210-121										
NAME OF SUBMITTER:	Marlo M. Schepper										
<p>Total Attachments: 4</p> <p>source=01401042#page1.tif</p>											

CH \$40.00 12304520

**500989246**

**PATENT**  
**REEL: 023376 FRAME: 0083**

source=01401042#page2.tif  
source=01401042#page3.tif  
source=01401042#page4.tif

## ASSIGNMENT

WHEREAS, we, Souheil Benzerrouk, a resident of Lowell, Massachusetts; Reinhold Ludwig, a resident of Paxton, Massachusetts; and Diran Apelian, a resident of West Boylston, Massachusetts, (hereinafter referred to collectively as "Assignors") have jointly made an invention entitled INFRARED DEFECT DETECTION SYSTEM AND METHOD FOR THE EVALUATION OF POWDERMETALLIC COMPACTS, which is a U.S. National Stage Application of PCT/US07/71451 filed on June 18, 2007, which in turn claims priority to U.S. Provisional Application Serial No. 60/814,451, filed on June 16, 2006, and for which an application for a United States Patent was filed on December 12, 2008 and accorded U.S. Patent Application Serial No. 12/304,520.

WHEREAS, Worcester Polytechnic Institute, a corporation organized and existing under the laws of Massachusetts, having its principal place of business at 100 Institute Road, Worcester, Massachusetts 01619 (hereinafter referred to as "Assignee"), is desirous of acquiring right, title and interest in said invention.

NOW, THEREFORE, in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignors by these presents, do sell, assign and transfer to Assignee, Assignors entire right, title and interest, for the United States of America and its possessions and territories and for all foreign countries, in and to said invention, including all rights of priority created and conferred by any treaty or international convention which is available in connection with said invention, including the right to apply for patent rights, U.S. or foreign, and in any continuations, divisions, substitutes, renewals, reissues or other applications filed in the U.S. or abroad (including multinational filing arrangements of all kinds), and in any U.S. or foreign patents issued on any such applications and reissues, extensions and renewals thereof, to be held and enjoyed by Assignee, for its own use and behalf and for its successors and assigns, to the full ends of the terms or extended terms for which any Letters Patents or the like may be granted, as fully and entirely as the same would have been held by Assignors had this sale, assignment and transfer not been made.

Assignors hereby authorize and request the Commissioner of Patents of the United States, and any official of any country or countries (including multinational filing arrangements of all kinds), whose duty it is to receive and/or examine applications for patents or similar industrial property, issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to Assignee, its successors and assigns, in accordance with the terms of this instrument.

Assignors covenant with Assignee, its successors, assigns, and legal representatives that Assignors have full right to convey the entire interest herein assigned, and that Assignors have not executed any agreement in conflict herewith and will not execute any agreement or conveyance in conflict herewith.

Assignors further covenant and agree to communicate to Assignee, its successors, legal representatives and assigns, any facts known to Assignors respecting said invention,

and testify in any legal proceeding, sign all lawful papers, including, without limitation, application papers, assignments, powers of attorney, declarations, and other instruments, execute all divisional, continuing, substitute, reissue, renewal and foreign applications, make all truthful oaths, declarations and statements, and generally do everything reasonably requested of Assignors by Assignee, or its successors or assigns to aid Assignee, its successors or assigns, to obtain, enforce and/or exploit said invention.

Executed this 9<sup>th</sup> day of JUNE, 2009

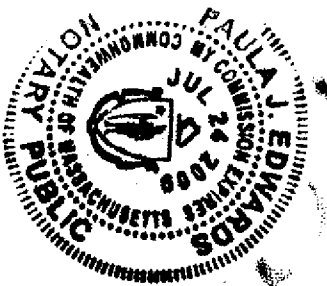
  
Souheil Benzerrouk

Commonwealth of Massachusetts )  
County of Middlesex ) ss.

n this 9<sup>th</sup> day of June, 2009, before me, the undersigned notary public, personally appeared Souheil Benzerrouk, proved to me through satisfactory evidence of identification, which were MASS License, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

  
Notary Public  
My commission expires 7/24/09

SEAL



Paula J. Edwards  
Notary Public  
My Commission Expires  
July 24, 2009

Executed this 14<sup>th</sup> day of April, 2009.

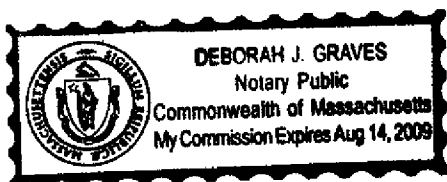
Reinhold Ludwig  
Reinhold Ludwig

Commonwealth of Massachusetts )  
County of Worcester ) ss.

On this 14<sup>th</sup> day of April, 2009, before me, the undersigned notary public, personally appeared Reinhold Ludwig, proved to me through satisfactory evidence of identification, which were personally known, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Deborah J. Graves  
Notary Public  
My commission expires 8/14/09

SEAL

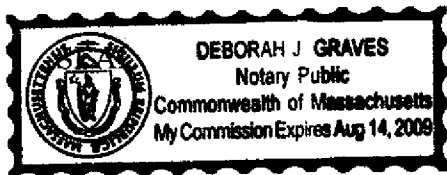


Executed this 14<sup>th</sup> day of April, 2009.

*Diran Apelian*  
Diran Apelian

Commonwealth of Massachusetts )  
County of Worcester ) ss.

On this 14<sup>th</sup> day of April, 2009, before me, the undersigned notary public, personally appeared Diran Apelian, proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.



*Deborah J. Graves*  
Notary Public  
My commission expires 8/14/09