

## 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"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mehmet Sarikaya</td> <td>08/09/2012</td> </tr> <tr> <td>Martha Somerman</td> <td>06/08/2012</td> </tr> <tr> <td>Candan Tamerler-Behar</td> <td>07/26/2012</td> </tr> <tr> <td>Hanson Fong</td> <td>06/21/2012</td> </tr> <tr> <td>Hai Zhang</td> <td>07/24/2012</td> </tr> <tr> <td>Mustafa Gungormus</td> <td>06/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mehmet Sarikaya	08/09/2012	Martha Somerman	06/08/2012	Candan Tamerler-Behar	07/26/2012	Hanson Fong	06/21/2012	Hai Zhang	07/24/2012	Mustafa Gungormus	06/21/2012
Name	Execution Date														
Mehmet Sarikaya	08/09/2012														
Martha Somerman	06/08/2012														
Candan Tamerler-Behar	07/26/2012														
Hanson Fong	06/21/2012														
Hai Zhang	07/24/2012														
Mustafa Gungormus	06/21/2012														
<b>RECEIVING PARTY DATA</b>															
<table border="1"> <tr> <td>Name:</td> <td>University of Washington through its Center for Commercialization</td> </tr> <tr> <td>Street Address:</td> <td>4311 11th Avenue NE</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 500</td> </tr> <tr> <td>City:</td> <td>Seattle</td> </tr> <tr> <td>State/Country:</td> <td>WASHINGTON</td> </tr> <tr> <td>Postal Code:</td> <td>98105</td> </tr> </table>		Name:	University of Washington through its Center for Commercialization	Street Address:	4311 11th Avenue NE	Internal Address:	Suite 500	City:	Seattle	State/Country:	WASHINGTON	Postal Code:	98105		
Name:	University of Washington through its Center for Commercialization														
Street Address:	4311 11th Avenue NE														
Internal Address:	Suite 500														
City:	Seattle														
State/Country:	WASHINGTON														
Postal Code:	98105														
<b>PROPERTY NUMBERS Total: 1</b>															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US2012039650</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US2012039650										
Property Type	Number														
PCT Number:	US2012039650														
<b>CORRESPONDENCE DATA</b>															
Fax Number:	3129130002														
Phone:	312-913-0001														
Email:	harper@mbhb.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:	McDonnell Boehnen Hulbert & Berghoff LLP														
Address Line 1:	300 South Wacker Drive														
Address Line 2:	Suite 3100														
Address Line 4:	Chicago, ILLINOIS 60606														

CH \$40.00 US2012039650

ATTORNEY DOCKET NUMBER:	12-353-PCT
NAME OF SUBMITTER:	David Harper
Total Attachments: 7 source=12-353-PCT Assignment (Executed)#page1.tif source=12-353-PCT Assignment (Executed)#page2.tif source=12-353-PCT Assignment (Executed)#page3.tif source=12-353-PCT Assignment (Executed)#page4.tif source=12-353-PCT Assignment (Executed)#page5.tif source=12-353-PCT Assignment (Executed)#page6.tif source=12-353-PCT Assignment (Executed)#page7.tif	

ASSIGNMENT

Case No.: 12-353-PCT

Serial No.: PCT/US12/39650

Inventors: Mehmet Sarikaya, Martha Somerman, Candan Tammerler-Behar, Hanson Fong, Hai Zhang and Mustafa Gungormus

Date of Execution  
of Application:

Filing Date: May 25, 2012

In consideration of good and valuable consideration provided to assignor, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

**University of Washington through its Center for Commercialization**

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

**"Reagents and Methods for Treating Dental Disease"**

and identified as:

**Case No. 12-353-PCT**

in the offices of McDONNELL BOEHLEN HULBERT & BERGHOFF LLP and in said application and any and all other applications, both United States and foreign (including but not limited to all countries on the list below\*), which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries (including but not limited to all countries on the list below\*), which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries (including but not limited to all countries on the list below\*) on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to

cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

\*Countries include, but are not limited to: all member countries of the Patent Cooperation Treaty (PCT) including Albania, Algeria, Antigua and Barbuda, Armenia, Australia, Austria, Azerbaijan, Barbados, Belarus, Belgium, Belize, Benin, Bosnia and Herzegovina, Brazil, Bulgaria, Burkina Faso, Cameroon, Canada, Central African Republic, Chad, China, Colombia, Congo, Costa Rica, Cote d'Ivoire, Croatia, Cuba, Cyprus, Czech Republic, Democratic People's Republic of Korea, Denmark, Dominica, Ecuador, Estonia, Finland, France, Gabon, Gambia, Georgia, Germany, Ghana, Greece, Grenada, Guinea, Guinea-Bissau, Hungary, Iceland, India, Indonesia, Ireland, Israel, Italy, Japan, Kazakhstan, Kenya, Krygyzstan, Latvia, Lesotho, Liberia, Liechtenstein, Lithuania, Luxembourg, Madagascar, Malawi, Mali, Mauritania, Mexico, Monaco, Mongolia, Monaco, Mongolia, Morocco, Netherlands, New Zealand, Niger, Norway, Poland, Portugal, Republic of Korea, Republic of Moldova, Romania, Russian Federation, Saint Lucia, Senegal, Sierra Leone, Singapore, Slovakia, Slovenia, South Africa, Spain, Sri Lanka, Sudan, Swaziland, Sweden, Switzerland, Tajikstan, The former Yugoslav Republic of Macedonia, Togo, Trinidad and Tobago, Tunisia, Turkey, Turkmenistan, Uganda, Ukraine, United Arab Emirates, United Kingdom, United Republic of Tanzania, United States of America, Uzbekistan, Vietnam, Yugoslavia, Zambia, Zimbabwe.

WITNESS my hand and seal this 9 day of August, 2012.

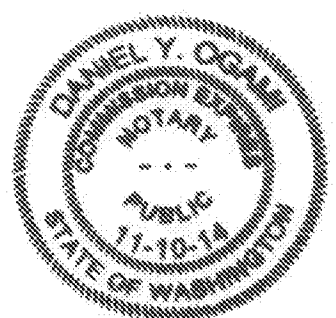
  
Mehmet Sarikaya

State of WA

County of King

The foregoing instrument was acknowledged before me this 9th day of August, 2012, by Mehmet Sarikaya.

  
NOTARY PUBLIC  
MY COMMISSION EXPIRES 11/10/2011



WITNESS my hand and seal this 8<sup>th</sup> day of June, 2012.

*Martha Somerman*  
Martha Somerman

State of MD

County of Montgomery

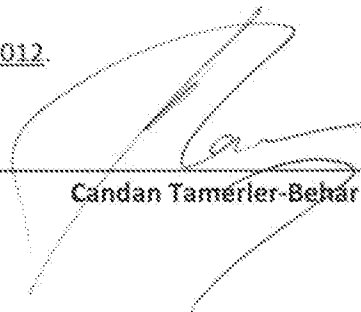
The foregoing instrument was acknowledged before me this 8<sup>th</sup> day of June, 2012 by Martha Somerman.



MELISA SOOK LEE  
Notary Public, State of Maryland  
County of Montgomery  
My Commission Expires September 1, 2014

*Melisa Sook Lee*  
NOTARY PUBLIC

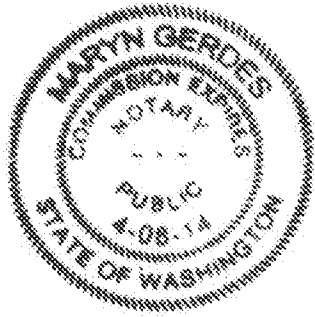
WITNESS my hand and seal this 26 day of July, 2012.

  
\_\_\_\_\_  
Candan Tamerler-Behar

State of WA

County of USA King

The foregoing instrument was acknowledged before me this 26<sup>th</sup> day of July, 2012 by Candan Tamerler-Behar.



  
\_\_\_\_\_  
NOTARY PUBLIC

WITNESS my hand and seal this 2<sup>nd</sup> day of June, 2012.

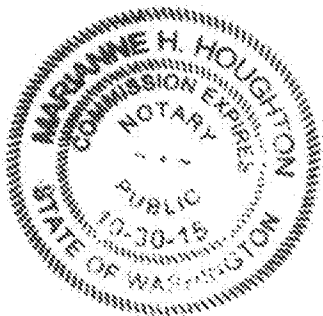
Hanson Fong  
Hanson Fong

State of Washington

County of King

The foregoing instrument was acknowledged before me this 2<sup>nd</sup> day of June, 2012, by Hanson Fong.

Margaret Houghton  
NOTARY PUBLIC  
Commission date:  
10-30-2015



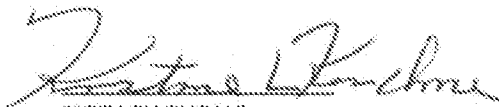
WITNESS my hand and seal this 24 day of July, 2012.

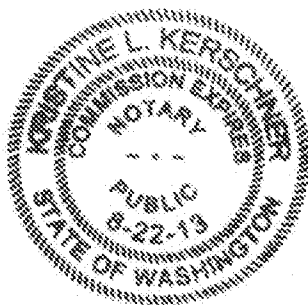
  
\_\_\_\_\_  
Hai Zhang

State of WA

County of King

The foregoing instrument was acknowledged before me this 24<sup>th</sup> day of July, 2012, by Hai Zhang.

  
\_\_\_\_\_  
NOTARY PUBLIC





WITNESS my hand and seal this 21 day of June, 2012.

*[Signature]*  
Mustafa Gungormus

State of Washington

County of King

The foregoing instrument was acknowledged before me this 21<sup>st</sup> day of June, 2012 by Mustafa Gungormus.

*[Signature]*  
NOTARY PUBLIC  
Commission date  
10-30-2015

