

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jackie Y. Ying</td> <td>09/09/1998</td> </tr> <tr> <td>Edward S. Ahn</td> <td>09/09/1998</td> </tr> <tr> <td>Atsushi Nakahira</td> <td>08/26/1998</td> </tr> </tbody> </table>		Name	Execution Date	Jackie Y. Ying	09/09/1998	Edward S. Ahn	09/09/1998	Atsushi Nakahira	08/26/1998		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Massachusetts Institute of Technology</td> </tr> <tr> <td>Street Address:</td> <td>77 Massachusetts Avenue</td> </tr> <tr> <td>City:</td> <td>Cambridge</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02139</td> </tr> </table>		Name:	Massachusetts Institute of Technology	Street Address:	77 Massachusetts Avenue	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02139
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13536924</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13536924						
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CORRESPONDENCE DATA											
Fax Number:	6176468646										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	6176468251										
Email:	agriffith@wolfgreenfield.com										
Correspondent Name:	Timothy J. Oyer										
Address Line 1:	600 Atlantic Avenue										
Address Line 4:	Boston, MASSACHUSETTS 02210										
ATTORNEY DOCKET NUMBER:	M0925.70110US03										
NAME OF SUBMITTER:	Angela M. Griffith										
Signature:	/Angela M. Griffith/										
Date:	05/15/2013										

OP \$40.00 13536924

PATENT

**Total Attachments: 4**

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## ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned Jackie Y. Ying, 9 Fairlane Terrace, Winchester, Massachusetts 01890, Edward S. Ahn, 10 Rogers St Apt. 901, Cambridge, MA 02142, and Atsushi Nakahira, 65-3-3-407 Kawashima Gotan-osacho, Nishikyoku, Kyoto 615, Japan hereby sell, assign and transfer to

**MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139 and its successors, assigns and legal representatives, all hereinafter referred to as the Assignees, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on January 16, 1998 under serial no. 09/007,930 and entitled Nanocrystalline Apatites and Composites, Prostheses Incorporating Them, and Method for Their Production said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

We agree that said Assignee may apply for and receive Letters Patent for said inventions in their own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to us relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee.

We hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

We covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made

to others by us and that full right to convey the same as herein expressed is possessed by us.

9/9/98

Date

Jackie Y. Ying  
Jackie Y. Ying

STATE OF Middlesex :  
COUNTY OF Massachusetts :

Subscribed and sworn to before me this 9th day of September, 1998.

SEAL

Denise M. Lynch  
Notary Public  
Denise M. Lynch  
My Comm. Exp.  
1/27/2000  
My Commission Expires: \_\_\_\_\_

9/9/98

Date

Edward S. Ahn  
Edward S. Ahn

STATE OF Middlesex :  
COUNTY OF Massachusetts :

Subscribed and sworn to before me this 9th day of September, 1998.

SEAL

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1/27/2000  
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Date

\_\_\_\_\_  
Atsushi Nakahira

STATE OF \_\_\_\_\_ :  
COUNTY OF \_\_\_\_\_ :

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 1998.

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\_\_\_\_\_  
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Jackie Y. Ying

STATE OF \_\_\_\_\_ :  
COUNTY OF \_\_\_\_\_ :

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 1998.

SEAL

Notary Public

My Commission Expires: \_\_\_\_\_

Date

Edward S. Ahn

STATE OF \_\_\_\_\_ :  
COUNTY OF \_\_\_\_\_ :

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 1998.

SEAL

Notary Public

My Commission Expires: \_\_\_\_\_

98 Aug, 26  
Date

Atsushi Nakahira  
Atsushi Nakahira

STATE OF \_\_\_\_\_ :  
COUNTY OF Japan :

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 1998.

京都工芸繊維大学 工学学部長里深信行

SEAL



Shinji Sato  
Notary Public

My Commission Expires: \_\_\_\_\_