

PATENT ASSIGNMENT COVER SHEET

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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>TAKATOSHI MIYASHITA</td> <td>12/24/2013</td> </tr> <tr> <td>ATSUSHI KUROSHIMA</td> <td>12/18/2013</td> </tr> <tr> <td>SHION FUJIMURA</td> <td>12/24/2013</td> </tr> </tbody> </table>		Name	Execution Date	TAKATOSHI MIYASHITA	12/24/2013	ATSUSHI KUROSHIMA	12/18/2013	SHION FUJIMURA	12/24/2013
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TAKATOSHI MIYASHITA	12/24/2013								
ATSUSHI KUROSHIMA	12/18/2013								
SHION FUJIMURA	12/24/2013								
RECEIVING PARTY DATA									
Name:	KYOCERA MEDICAL CORPORATION								
Street Address:	3-31, MIYAHARA 3-CHOME								
Internal Address:	YODOGAWA-KU								
City:	OSAKA-SHI, OSAKA								
State/Country:	JAPAN								
Postal Code:	532-0003								
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>14154842</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14154842				
Property Type	Number								
Application Number:	14154842								
CORRESPONDENCE DATA									
Fax Number:	(215)568-6499								
Phone:	215-568-6400								
Email:	syi@vklaw.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	ANTHONY S. VOLPE								
Address Line 1:	VOLPE AND KOENIG, P.C.								
Address Line 2:	30 SOUTH 17TH STREET, SUITE 1600								
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103								
ATTORNEY DOCKET NUMBER:	BUNKYO-PT036								
NAME OF SUBMITTER:	ANTHONY S. VOLPE								

Signature:	/ANTHONY S. VOLPE/
Date:	01/14/2014
Total Attachments: 4 source=Assignment KMD Inventors to KMD (1390-US)#page1.tif source=Assignment KMD Inventors to KMD (1390-US)#page2.tif source=Assignment KMD Inventors to KMD (1390-US)#page3.tif source=Assignment KMD Inventors to KMD (1390-US)#page4.tif	

ASSIGNMENT

Takatoshi Miyashita, residing at #404, 17-1, Higashi-Nakaburi 1-chome, Hirakata-shi, Osaka 573-0093, Japan, a citizen of Japan; **Atsushi KUROSHIMA**, residing at 6-1, Higashishigigaoka 3-chome, Sango-cho, Ikoma-gun, Nara 636-0803, Japan, a citizen of Japan; and **Shion FUJIMURA**, residing at #702, 12-14, Miyahara 2-chome, Yodogawa-ku, Osaka-shi, Osaka 532-0003, Japan, a citizen of Japan (hereafter jointly and severally referred to as the undersigned), are the inventors of

**ARTIFICIAL HIP JOINT STEM AND
ARTIFICIAL HIP JOINT INCLUDING THE SAME**

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 14/154,842, filed January 14, 2014, **2013**.

The undersigned hereby authorize assignee or assignee's representative to insert the Application Number and the filing date of this application if they are unknown at the time of execution of this assignment.

KYOCERA Medical Corporation, a corporation, having a principal place of business at 3-31, Miyahara 3-chome, Yodogawa-ku, Osaka-shi, Osaka 532-0003, Japan (hereafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in said invention, all applications for and all letters patent issued on said invention.

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives their rights, title and interest in said invention and all patent applications thereon, including, but not limited to, the application for United States Letters Patent entitled as above, and all divisions and continuations thereof, and in all letters patent, including all reissues and reexaminations thereof, throughout the world, including the right to claim priority under the Paris Convention or other treaty.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, to supply all information and evidence relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention throughout the world for the benefit of the assignee, and to execute all instruments proper to carry out the intent of this instrument.

The undersigned warrant that the rights and property herein conveyed are free and clear of any encumbrance.

EXECUTED on this 24 day of December, 2013

at Kyocera Medical, Osaka, Japan
(Place)

Witness:

Tadruki Shimeno

Takatoshi Miyashita
Takatoshi Miyashita

EXECUTED on this 18 day of December, 2013
at Kyocera Medical Osaka Japan.
(Place)

Witness:

Tadaaki Shimeno

Atsushi Kuroshima
Atsushi KUROSHIMA

EXECUTED on this 24 day of December, 2013
at Kyocera Medical, Osaka, Japan
(Place)

Witness:

Tadaaki Shimeno

Shion Fujimura
Shion FUJIMURA