

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>FUMIO TANAKA</td> <td>09/19/2013</td> </tr> <tr> <td>MITSUHIRO HARAGUCHI</td> <td>09/19/2013</td> </tr> <tr> <td>YOSHIHIKO KAWASAKI, BY LEGAL REPRESENTATIVE</td> <td>09/19/2013</td> </tr> <tr> <td>MUTSUMI SHIBUYA</td> <td>09/19/2013</td> </tr> <tr> <td>RENJI HAYASHI</td> <td>09/19/2013</td> </tr> <tr> <td>YOSHINORI KATO</td> <td>09/19/2013</td> </tr> </tbody> </table> | | Name | Execution Date | FUMIO TANAKA | 09/19/2013 | MITSUHIRO HARAGUCHI | 09/19/2013 | YOSHIHIKO KAWASAKI, BY LEGAL REPRESENTATIVE | 09/19/2013 | MUTSUMI SHIBUYA | 09/19/2013 | RENJI HAYASHI | 09/19/2013 | YOSHINORI KATO | 09/19/2013 |
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| RECEIVING PARTY DATA | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>SHOWA YAKUHI KAKO CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>17-11, KYOBASHI 2-CHOME</td> </tr> <tr> <td>City:</td> <td>CHUO-KU, TOKYO</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>104-0031</td> </tr> </table> | | Name: | SHOWA YAKUHI KAKO CO., LTD. | Street Address: | 17-11, KYOBASHI 2-CHOME | City: | CHUO-KU, TOKYO | State/Country: | JAPAN | Postal Code: | 104-0031 | | | | |
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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>14009752</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 14009752 | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | |
| Application Number: | 14009752 | | | | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 1723543 | | | | | | | | | | | | | | |

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| Signature: | /richard kalwa/ |
| Date: | 10/31/2013 |
| Total Attachments: 4 source=3485393#page1.tif source=3485393#page2.tif source=3485393#page3.tif source=3485393#page4.tif | |

U.S. Patent Application Ser. No. 14/009,752
ATTORNEY DOCKET NO. 1723543
Assignment of U.S. Rights

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

Assignee's Name: Showa Yakuhin Kako Co., Ltd.
Assignee's Address: 17-11, Kyobashi 2-chome, Chuo-ku
Tokyo 104-0031 JAPAN

(hereinafter ASSIGNEE) the entire right, title and interest for the United States of America, its territories and possessions, in and to his/her invention relating to:

Invention Title: MOTORIZED SYRINGE FOR USE WITH TWO TYPES OF DENTAL
ANESTHETIC SOLUTION-CONTAINING CARTRIDGES

as set forth in his/her United States Patent Application (check one):

 X executed concurrently herewith,
 executed on _____,
 Serial No. _____, filed on _____, as amended,

in and to said Patent Application including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States, which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made.

Each of the undersigned hereby authorizes and requests the U.S. Commissioner of Patents and Trademarks to issue all such Letters Patent for said invention to ASSIGNEE, its successors or assigns, in accordance with the terms of this Assignment.

Each of the undersigned warrants, covenants, and agrees that he/she has the full and unencumbered right to sell and assign the interests herein sold and assigned, and that he has not executed and will not execute any document or instrument in conflict herewith.

Each of the undersigned further warrants, covenants and agrees he/she will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to or to obtain and enforce patent protection for said invention, and for said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent for said invention.

Each of the undersigned hereby grants the firm of Chapman and Cutler LLP, or any partner thereof, the power to insert into this Assignment any further identification, which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office concerning recordation of this Assignment.

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