

## PATENT ASSIGNMENT COVER SHEET

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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                          |                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                              |                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                         |                       |
|                                                                                                                                                                                                 | <b>Name</b>                             | <b>Execution Date</b> |
|                                                                                                                                                                                                 | MASAHIKO HORIUCHI                       | 01/13/2017            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                         |                       |
| <b>Name:</b>                                                                                                                                                                                    | KYOCERA CORPORATION                     |                       |
| <b>Street Address:</b>                                                                                                                                                                          | 6 TAKEDA TOBADONO-CHO, FUSHIMI-KU       |                       |
| <b>City:</b>                                                                                                                                                                                    | KYOTO-SHI, KYOTO                        |                       |
| <b>State/Country:</b>                                                                                                                                                                           | JAPAN                                   |                       |
| <b>Postal Code:</b>                                                                                                                                                                             | 612-8501                                |                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                         |                       |
|                                                                                                                                                                                                 | <b>Property Type</b>                    | <b>Number</b>         |
|                                                                                                                                                                                                 | Application Number:                     | 15327497              |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                         |                       |
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| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 15P01296US0                             |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | TOKIKO KINOSHITA                        |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Tokiko Kinoshita/                      |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 01/19/2017                              |                       |
| <b>Total Attachments: 2</b>                                                                                                                                                                     |                                         |                       |
| source=2017-01-19_AssignmentAsFiled_15P001296US#page1.tif                                                                                                                                       |                                         |                       |
| source=2017-01-19_AssignmentAsFiled_15P001296US#page2.tif                                                                                                                                       |                                         |                       |

# ASSIGNMENT 譲渡証書

|                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                          |
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| (1-8)発明者名                                                                                                                                                                                                                                                                                                                                                        | <p>(1)</p> <p>(2)</p> <p>(3)</p> <p>(4)</p> <p>(5)</p> <p>(6)</p> <p>(7)</p> <p>(8)</p>                   | (1-8) Name(s) of Inventor(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>(1) <b>HORIUCHI, Masahiko</b></p> <p>(2)</p> <p>(3)</p> <p>(4)</p> <p>(5)</p> <p>(6)</p> <p>(7)</p> <p>(8)</p>                                                                                                                                                                                                                        |
| (9) 被譲渡人名                                                                                                                                                                                                                                                                                                                                                        | 京セラ株式会社                                                                                                   | (9) Name(s) of Assignee(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (9) KYOCERA Corporation                                                                                                                                                                                                                                                                                                                  |
| (10, 11) 被譲渡人本店所在地・住所                                                                                                                                                                                                                                                                                                                                            | <p>京都市伏見区竹田島羽殿町6番地<br/>〒612-8501、日本国</p>                                                                  | (10) State of Incorporation of Assignee(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (10) (11) of 6 Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, Kyoto, Japan 612-8501, and                                                                                                                                                                                                                                                    |
| (12) 発明の名称、件名番号、又は外国に於ける特許出願番号等の発明を識別するもの                                                                                                                                                                                                                                                                                                                        | <p>(上記を、以下被譲渡人)へ、下記署名者が米国に於いて特許出願した</p>                                                                   | (11) Address(es) of Assignee(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (hereinafter designated as the Assignee(s)) the entire worldwide right, title and interest in the invention known as                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                  | <p>で識別される特許出願として公知の発明、及びそれに対応する若しくはそれに基づいた外国での全ての特許出願として公知の発明の世界各国に互つての権利、所有権及び利益を譲渡することに同意し、ここに譲渡する。</p> | (12) Identification of Invention, such as Title, Case Number or Foreign Application Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>(12) <u>MOUNTING MEMBER</u></p> <p>which was filed as U.S. Patent Application No. <u>15/327,497</u> on <u>19-JAN-2017</u></p> <p>for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.</p> |
| <p>1) 下記署名者は、上記の発明に関し米国及び外国に於ける原出願、再発行、分割出願及び継続出願に必要な全ての書類手続きを遂行することに同意する。さらに下記署名者は、被譲渡人が必要もしくは便宜と看做した際には、かかる出願に関し別個の譲渡手続きを行うことに同意する。</p> <p>2) 下記署名者は、当該出願又はその継続出願又は分割出願に関し提起され得る抵触審査に関連して必要な全ての書類手続きを遂行することに同意する。さらにかかる抵触審査が発生した際には、証拠の収集等事態の進展に関し被譲渡人に対しあらゆる協力をすることに同意する。</p> <p>3) 下記署名者は、パリ条約条項又は類似の合意の要求又は規定に関し必要な全ての書類手続き、及び必要と看做される行為全てを遂行することに同意する。</p> |                                                                                                           | <p>1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.</p> <p>2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.</p> <p>3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.</p> |                                                                                                                                                                                                                                                                                                                                          |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 4) 下記署名者は、被譲渡人が有効な米国特許の付与の獲得にあたり必要と看做されるあらゆる積極的行動をとることに同意する。<br><br>5) 下記署名者は、ここに、特許庁長官に対し、被譲渡人を全利益の被譲渡人と看做し、当該出願又はその分割及び継続出願の米国特許証を被譲渡人に発行する権限を与え、かかる発行を要請する。下記署名者はさらに、被譲渡人はここに譲渡される全利益の譲渡を受ける権利を有すること、及び当該内容に違反する内容の契約は締結していないことを誓約する。<br><br>6) 下記署名者は、これにより本書類の記録のために必要であるか、または望ましい識別を促進するために本譲渡証に挿入する権限を顧客番号: <b>32968</b> で表される者に与えます。 |  | 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.<br><br>5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest here in assigned and that he has (they have) not executed any agreement in conflict herewith.<br><br>6) The undersigned hereby grant(s) to the persons associated with Customer Number: <b>32968</b> the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document. |  |
| <b>発明者1</b><br>署名 _____ 日付 _____                                                                                                                                                                                                                                                                                                             |  | Inventor 1: HORIUCHI, Masahiko<br>Signature <i>Masahiko Horuchi</i> Date <i>January 13, 2017</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| <b>発明者2</b><br>署名 _____ 日付 _____                                                                                                                                                                                                                                                                                                             |  | Inventor 2:<br>Signature _____ Date _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| <b>発明者3</b><br>署名 _____ 日付 _____                                                                                                                                                                                                                                                                                                             |  | Inventor 3:<br>Signature _____ Date _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| <b>発明者4</b><br>署名 _____ 日付 _____                                                                                                                                                                                                                                                                                                             |  | Inventor 4:<br>Signature _____ Date _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| <b>発明者5</b><br>署名 _____ 日付 _____                                                                                                                                                                                                                                                                                                             |  | Inventor 5:<br>Signature _____ Date _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| <b>発明者6</b><br>署名 _____ 日付 _____                                                                                                                                                                                                                                                                                                             |  | Inventor 6:<br>Signature _____ Date _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| <b>発明者7</b><br>署名 _____ 日付 _____                                                                                                                                                                                                                                                                                                             |  | Inventor 7:<br>Signature _____ Date _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| <b>発明者8</b><br>署名 _____ 日付 _____                                                                                                                                                                                                                                                                                                             |  | Inventor 8:<br>Signature _____ Date _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |