503969177 08/19/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4015832

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| TSURUKI TAMURA | 08/18/2016 |
| MAKIKO OOTANI | 08/18/2016 |
| YOUICHI AOKI | 08/12/2016 |

RECEIVING PARTY DATA

| Name: | KONICA MINOLTA, INC. | |
|-----------------|----------------------|--|
| Street Address: | 2-7-2, MARUNOUCHI | |
| City: | CHIYODA-KU, TOKYO | |
| State/Country: | JAPAN | |
| Postal Code: | 100-7015 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 15120505 | |

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: HOLTZ, HOLTZ, & VOLEK PC

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Address Line 2: SUITE 1010

Address Line 4: NEW YORK, NEW YORK 10036-3744

| ATTORNEY DOCKET NUMBER: | 16397 | |
|-------------------------|--|--|
| NAME OF SUBMITTER: | AMIT KULKARNI | |
| SIGNATURE: | /ak/ | |
| DATE SIGNED: | 08/19/2016 | |
| | This document serves as an Oath/Declaration (37 CFR 1.63). | |

Total Attachments: 2

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PATENT 503969177 REEL: 039491 FRAME: 0421

| Combined Declaration and Assignment | | | | | |
|---|---|--|--------------------------|--|--|
| Title of Invention | MEASUREMENT N | METHOD AND MEASUREMENT | DEVICE | | |
| As the belo | As the below named inventor, I hereby declare that: | | | | |
| This declaration [] The attached application, or is directed to: [X] United States application or PCT international application number PCT/JP2015/055009 filed on February 23, 2015 | | | | | |
| The above- | identified application wi | as made or authorized to be made I | oy me. | | |
| l believe the application. | | ntor or an original joint inventor of a | claimed invention in the | | |
| In consideration of value received, I sell and assign to Konica Minolta, Inc., having a business address at 2-7-2. Marunouchi, Chivoda-ku. Tokyo 100-7015 Japan, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications. | | | | | |
| I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee. | | | | | |
| I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful paths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries. I hereby acknowledge that any willful false statement made in this declaration is punishable under | | | | | |
| 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. | | | | | |
| LEGAL NAME OF INVENTOR | | | | | |
| Tsu | ıruki TAMURA | Tsuruki Tamura | 2016. 8.18 | | |
| Ma | kiko OOTANI | mahika Octami | 2016. 8. 18 | | |
| Y | oulchi AOKI | The state of the s | | | |

Holtz, Holtz & Volek PC 630 Ninth Avenue, Suite 1010, New York, NY 10036-3744 Tel. (212) 319-4900 Fax. (212) 319-5101

Signature

Inventor (printed name)

PATENT REEL: 039491 FRAME: 0422

Date

Combined Declaration and Assignment Title of MEASUREMENT METHOD AND MEASUREMENT DEVICE Invention As the below named inventor, I hereby declare that: This declaration I 1 The attached application, or is directed to: [X] United States application or PCT international application number PCT/JP2015/055009 filed on February 23, 2015 The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. In consideration of value received, I sell and assign to Konics Minolta, Inc., having a business address at 2-7-2, Marunouchi, Chiyoda-ku, Tokyo 100-7015 Japan, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications. I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee. I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any tegal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful caths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. LEGAL NAME OF INVENTOR Tsuruki TAMURA

Holtz, Holtz & Volek PC 630 Ninth Avenue, Suite 1010, New York, NY 10036-3744 Tel. (212) 319-4900 Fax. (212) 319-5101

Signature

Youtoki APKI

PATENT REEL: 039491 FRAME: 0423

Aigust 12, 2016

Date

RECORDED: 08/19/2016

Makiko OOTANI

Youichi AOKI

Inventor (printed name)