503098127 12/12/2014

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| SUSUMU MIKADO | 11/27/2014 |

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 29511620 | |

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| SIGNATURE: | /Walter F. Fasse/ |
| DATE SIGNED: | 12/12/2014 |

Total Attachments: 1

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PATENT 503098127 REEL: 034489 FRAME: 0930

UNITED STATES ASSIGNMENT OF UTILITY OR DESIGN INVENTION

| Attorney Docket No.: 5477 | | | | | | | |
|---------------------------|--|--|--|---|---|--|--|
| | Title of the Inv | vention: End Mill | | | | | |
| | Invention as di identified by t | isclosed and/or as claimed he above Title of the Inve | d in an Application fo ntion and Attorney I | r Utility or De Docket Numl | olock has/have invented a uti esign Patent of the United Stat ber, with an Inventor Declarat | es of America tion executed | |
| | by the Assigno | | | | this Assignment unless other | | |
| | | PTO as US Application No | | | , on: <u>December 12,</u> | <u>2014</u> , | |
| | and if applicab | ole being the US National | Stage of | | , filed on: | ; | |
| | Whereas the | Assignee(s): | | | | | |
| 1) | Name: | | | | | | |
| · | Address: | 5-1, Minami-shinden | · | Osaka 574-0 | 023 Japan | | |
| | including its/their respective predecessors, heirs, successors and assigns, is/are desirous of solely/jointly acquiring the entire and exclusive right, title and interest in said Invention, said Application and any and all Patent(s) that may be granted therefor in the United States of America; | | | | | | |
| | the receipt of hereby confirm Assignees, the continuations, any and all rigit and for the Un reissues, reexa and for the ma Assignee(s) includes/do hereby | which is acknowledged, in having assigned, sold as entire and exclusive right, divisions, reissues, reexants of priority pertaining thited States of America, aminations, supplementa eximum duration that any cluding its/their respective id Assignor(s) when no assignor(s) when no assignor(s) | said Assignor(s) doe and transferred, sole ant, title and interest aminations, supplem to said Invention or s for the full pendenc I examinations and e interest assigned he e predecessors, heirs signment, transfer, d all right to convey the | es/do hereby ely unto said in and to sa ental examin said Applicat y of said App extensions the rein may be , successors, ivestment or e entire right | currency and other valuable or assign, sell and transfer, and single Assignee or jointly until Invention, said Application nations and extensions of said ion, and said Patent(s) grante plication and any continuation ereof, for the full term(s) of smaintained, to be held and en and assigns as fully and entirel clicense thereof was made. Said title and interest herein assigns as in conflict herewith. | d/or does/do to said plural n, any and all d Application, d therefor, in ons, divisions, said Patent(s) njoyed by said ly as the same id Assignor(s) | |
| | such lawful act supplemental proceeding, in counterpart th Assignee(s) wil relation there authorizes/aut | tions in connection with sexaminations and extens ter partes review proceed ereto, as requested by saill control and direct the pto, and that said Patent thorize the practitioners as | said Application and ions thereof, in any ling or other proceed id Assignee(s). Said A rosecution of said A t(s) may be issued and employees of Fa | any continu interference ling in relation ssignor(s) he pplication ar to and in these Patent A | , to execute all truthful papers ations, divisions, reissues, rees, derivation proceeding, poston thereto, and in any foreign acreby acknowledges/acknowled any/all further actions or poston the name of said Assignee(s), attorneys, P.A. to enter on this fying said Application and said | examinations, grant review application(s) edge that said roceedings in and further a Assignment, | |
| | - | Whereof, said Assignor(signment below on the da | te(s) indicated. | was prese | dersigned Witness , hereby of ent and did see the indicated to me, sign this document before | Assignor, who ore me today. | |
| 1) | Signature: | / > Well | <u>و 2014.</u> 11 | ' Signature | <u>. Eisaku Naka</u> | <u>K 2014.1</u> 1.2 | |
| | - | sumu MIKADO | 1 Date | Witness: | Eisaku NAKAI | ↑ Date | |
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| | 061 | (D1) | | | | | |

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