502464748 08/20/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date | |
|----------------|----------------|--|
| Kenji Takeuchi | 05/09/2013 | |
| Yuki Fukusada | 05/09/2013 | |

RECEIVING PARTY DATA

| Name: | Brother Kogyo Kabushiki Kaisha | |
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| State/Country: | JAPAN | |
| Postal Code: | 467-8561 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13767914 |

CORRESPONDENCE DATA

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|-------------------------|----------------------|
| NAME OF SUBMITTER: | Gary D. Fedorochko |
| Signature: | /Gary D. Fedorochko/ |
| Date: | 08/20/2013 |
| | |

Total Attachments: 1

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PATENT REEL: 031045 FRAME: 0704 CH \$40 00 1376791

| | | | A. | SSIGNMENT | | | |
|---|--|---|--|---|---|--|--|
| | | (1) | Kenji TAKEUCHI | (5) | | | |
| (1-8) | Insert | (2) | Yuki FUKUSADA | (6) | | | |
| | Name(s) of Inventor(s) | (3) | | (7) | | | |
| | (4) | | (8) | | | | |
| | | | | e dollar (\$1.00) and other good and valuable considerations igned agree(s) to assign, and hereby does assign, training the consideration is a second agree of the consideration in the consideration is a second and consideration in the consideration in the consideration is a second and consideration in the consideration is a second and consideration in the consideration in the consideration is a second and consideration in the consideration is a second and consideration in the consideration in the consideration is a second and consideration in the consideration in the consideration is a second and consideration in the consideration is a second and consideration in the consideration is a second and consideration in the consideration in the consideration is a second and consideration in the consideration in the consideration is a second and consideration in the consideration in the consideration is a second and con | | | |
| (9) | Insert Name of Assignee | (9) | BROTHER KOGYO KABUSHIKI | I KAISHA | | | |
| (10) | | | 15-1 Naeshiro-cho, Mizuho-ku | ı, Nagoya−shi, Aichi−ken 467-8561, Japan | | | |
| | | | (hereinafter designated as the Assignee) the entire right, title and interest for the United States of Am as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any an provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Le Patent, extensions, reissues and reexamination certificates that may be granted on the invention know | | | | |
| (11) | Insert Identification | (11) | IMAGE FORMING APPA | ARATUS | | | |
| | of Invention | | | | | | |
| such as Title, Case Number, or Foreign Application Number | | | (Attorney Docket No. | |) | | |
| | | | for which the undersigned has (have) | executed an application for patent in the United States of | of America | | |
| (12) | Insert Date of Signing of Application | (12) | on May | 9, 20/3 | adaman ay | | |
| (13) | Alternative | (13) | U.S. application Serial Number | 13/767,914 | | | |
| | Identification for filed applications | | filed February 15 | i, 2013 | | | |
| application any app Assigner claims of reexamil States in full right herewith identific | applications for the in- ions and patents as th 2) The undersigned itication or continuation is in every way possibl 3) The undersigned or provisions of the Inte 4) The undersigned ination a grant of a val 5) The undersigned esulting from said app to convey the entire in 6) The undersigned | ventice Assistant agreement of the in or divide in or divide in or divide in agreement in agreement in agreement in agreement | on, and any patent(s) Issuing thereon, igness may deem necessary. a(s) to execute all papers necessary in vision thereof, or any patent or reissue btaining evidence and going forward we e(s) to execute all papers and docume onat Convention for Protection of Indust e(s) to perform all affirmative acts will ted States patent to the Assignee, on authorize(s) and request(s) the Corrun(s) to the said Assignee, as Assigne therein assigned, and that he has (the eby grant(s) the firm of Banner & | ents and perform any act which may be necessary in c | ned concerning perate with the connection with by reissue or s of the United as (they have) ents in conflict int any further | | |
| | | exec | uted by the undersigned on the date | e(s) opposite the undersigned name(s). | | | |
| Date | 0. | 9. | | | _ (SEAL) | | |
| Date | · may, | 9 | 20/3 Name of Inventor | Kenji Fakovchi Kenji TAKEVCHI T Yuki Fukusada Vuki Fukusada | (SEAL) | | |
| Date | 9 | | Name of Inventor | r | (SEAL) | | |
| Date | e | | Name of Invento | r | (SEAL) | | |

PATENT REEL: 031045 FRAME: 0705

RECORDED: 08/20/2013