501863733 03/23/2012

PATENT ASSIGNMENT

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

CONVEYING PARTY DATA

| Name | Execution Date | |
|--------------------|----------------|--|
| Masanari YOSHIKAWA | 03/20/2012 | |

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13427977 |

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Total Attachments: 1

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PATENT REEL: 027914 FRAME: 0713 CH \$40.00 134279

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ASSIGNMENT

| | | (1) | Masanari | YOSHII | KAWA | | | (5) | | | |
|---|--|--|--|---|---|---|---|--|--|---|--|
| (1-8) Insert Name(s) of Inventor(s) | (2) | | | | | | (6) | | | | |
| | (3) | | | | | <u>. </u> | (7) | | <u>-</u> | | |
| | • | (4) | • | | | | | | | <u>-</u> | |
| | | | In consid the undersi | eration o | of the sum e undersig | of one d | iollar (\$1.00 ee(s) to ass |) and other | good and valu | | tions paid to each of |
| (9) | Insert Name of Assignee | (9) | BROTHE | BROTHER KOGYO KABUSHIKI KAISHA | | | | | | | |
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| | | | defined in 3 non-provision | 35 U.S.C onal, di | C. §100, in ivisional, lo | the inver- continuati | ention, and tion, subst | in all applic itute, and | ations for pate reissue appli | ent including any | States of America as y and all provisional all Letters Patent nown as |
| (11) | Insert Identification of Invention such as Title, Case | (11) | IMAGE-F | ORMIN | 1G DEVIC | E PROY | VIDED W | TH CLEA | NING UNIT | | |
| | Number, or Foreign Application Number | | (Attorney | Docket N | No. | | | | | |) |
| | | • | for which th | ie unders | signed has | s (have) e | executed a | n application | n for patent in t | he United State | s of America |
| (12) | Insert Date of Signing of Application | (12) | on 💆 | Na | ı,20 | 2, 20 | 012 | | | | |
| `´ I | Alternative | (13) | U.S. applic | ation Se | erial Numb | er <u>1</u> | 3/427 | , 977 | | * | |
| | Identification for filed applications | | filed | Marc | ch 23, | . 201 | L2 | | | | |
| patents applicating Assigner claims of reexaminating States registriction of the rewith | 6) The undersigned ay be necessary or | y deen I agree I divisi le in ol I agree ematio d agre iid Unit I herel olicatio erest I I herel | n necessary. e(s) to execu- ion thereof, of btaining evid- e(s) to execu- inal Conventi- ee(s) to perfect States pa- by authorized ion(s) to the sinerein assign- | ate all pa or any p lence and ute all p ion for P form all atent to the (s) and r laid Assi ned, and | apers necepatent or red going for papers and Protection of affirmative the Assigner request(s) ignee, as Ad that he I | essary in reissue a rward with d docum- of Industri e acts w ee. the Corr Assignee has (the) | connection application h such inte ents and p nal Property which may nomissioner of the enti y have) no | with any ir based then rierence. perform any or similar be necession of Patents re interest, t executed, e power to | nterference wheen, for the invact which managements. any to obtain, to issue any a and hereby coand will not a insert on this | ich may be dec evention, and to ay be necessar maintain or co and all Letters F evenants that he execute, any ago assignment any | lared concerning any occoperate with the y in connection with onfirm by reissue or Patents of the United has (they have) full preements in conflict or further identification. |
| | In witness whereof, | ехес | uted by the | undersi | gned on t | he date(s | s) opposit | e the unde | rsigned name | (s). | |
| Date | Mar. 20 | 20 | <u>۱۲</u> | . 1 | Name of Ir | nventor | Masan | ari YOSHIK | Jochi AWA | bana | (SEAL) |
| Date | | | | . 1 | Name of Ir | nventor | <u> </u> | | · | | (SEAL) |
| Date | · | | | | Name of Ir | nventor | | · · | · | · · · · · · | (SEAL) |
| Date | · | | | | Name of Ir | nventor | · · · | | | · | (SEAL) |
| Date | | | | | Name of Ir | nventor | | · · · · | | | (SEAL) |
| Data | | | | | Name of Ir | nventor | | | | | (SEAL) |

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