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 |
|--------------------|----------------|
| YOSHIHISA KAYANAKA | 09/25/2017 |
| NAOKI MIZUNO | 09/25/2017 |

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

| Property Type | Number | | |
|---------------------|----------|--|--|
| Application Number: | 15716808 | | |

CORRESPONDENCE DATA

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| SIGNATURE: | /ROBERT L. NORTON/ |
| DATE SIGNED: | 10/06/2017 |

Total Attachments: 1

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PATENT 504583688 REEL: 043805 FRAME: 0569

ASSIGNMENT

| | | (1) | Yoshihisa KAYANAKA | (5) | /N of a a a a a a a a a a a a a a a a a a | | |
|---|--|--|---|--|--|--|--|
| (1-8) Insert Name(s) of Invent | | (2) | Naoki MIZUNO | (0) | | | |
| | name(s) of inventor(s) | (3) | | • | | | |
| | | (4) | | | | | |
| | | | In consideration of the sum of o | ne dollar (\$1.00) and other good and val igned agree(s) to assign, and hereby do | uable considerations paid to | | |
| (9) | Insert Name of Assignee | (9) | BROTHER KOGYO KABUSHIK | I KAISHA | | | |
| | Insert Address of Assignee | (10) | 15-1 Naeshiro-cho, Mizuho-ku, I | Nagoya-shi, Alchi-ken, 467-8561 Jap | an | | |
| - | | | (hereinafter designated as the Assignee) the entire right, title and interest for the United States of as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including ar provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and a Patent, extensions, reissues and reexamination certificates that may be granted on the invention by | | | | |
| | Identification of Invention | (11) | IMAGE FORMATION DEVICE | | | | |
| | Number, or Foreigr Application Numbe | | (Attorney Docket No. | | | | |
| | | | for which the undersigned has (have) | executed an application for patent in the U | | | |
| (12) | Insert Date of Signing of Application | (12) | on <u>Sep. 25, 201</u> | 7 | | | |
| (13) | Alternative Identification for filed applications | (13) | U.S. application Serial Number | | *************************************** | | |
| Assignee claims or reexamin States re full right therewith. | e in every way possible 3) The undersigned provisions of the Inte 4) The undersigned pation a grant of a valid 5) The undersigned sulting from said apple convey the entire int 3) The undersigned necessary or desirable | or unition of the control of the con | ision thereot, or any patent or reissue a taining evidence and going forward with (s) to execute all papers and documer nal Convention for Protection of Industrical (s) to perform all affirmative acts whith distates patent to the Assignee. If authorize(s) and request(s) the Commitation (s) to the said Assignee, as Assignee herein assigned, and that he has (they grant(s) the firm of K&L GATES the | ats and perform any act which may be re | n, and to cooperate with the ecessary in connection with in or confirm by reissue or etters Patents of the United nts that he has (they have) any agreements in conflict | | |
| | | xecut | ed by the undersigned on the date(s | i) opposite the undersigned name(s). | | | |
| Date | Sep. 25, | | . 14 | yoshihisa Kayano | ika (SEAL) | | |
| Date | <u> Sep 25</u> | ,20 | // Name of Inventor | Navki Mizpinu- | (SEAL) | | |
| Date | | | Name of Inventor | | (SEAL) | | |
| Date | | | Name of Inventor | | (SEAL) | | |
| Date | | | Name of Inventor | | (SEAL) | | |
| Date | | | Name of Inventor | | (OF AL) | | |

PATENT REEL: 043805 FRAME: 0570

RECORDED: 10/06/2017