Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| Takashi SASAKI | 02/23/2009 |
| Hirofumi SANO | 02/23/2009 |
| Katsumasa ONO | 02/23/2009 |
| Hidenobu TODOROKI | 02/23/2009 |

RECEIVING PARTY DATA

| Name: | YOKOGAWA ELECTRIC CORPORATION |
|-----------------|-------------------------------|
| Street Address: | 9-32, Naka-cho 2-chome |
| City: | Musashino-shi, Tokyo |
| State/Country: | JAPAN |
| Postal Code: | 180-8750 |

| Name: | Nippon Paper Industries Co. Ltd. |
|-----------------|----------------------------------|
| Street Address: | 1-4-1, Oji |
| City: | Kita-ku, Tokyo |
| State/Country: | JAPAN |
| Postal Code: | 114-0002 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12439944 |

CORRESPONDENCE DATA

500797470

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PATENT REEL: 022345 FRAME: 0063 \$40 00 840 Address Line 2: SUITE 800
Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20037

ATTORNEY DOCKET NUMBER: Q112477

NAME OF SUBMITTER: Alan J. Kasper

Total Attachments: 2
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source=ASSIGNMENT_AS_FILED_03_04_09#page2.tif

PATENT REEL: 022345 FRAME: 0064

ASSIGNMENT

Whereas, I/we, (1) Takashi SASAKI, (2) Hirofumi SANO, (3) Katsumasa ONO, (4) Hidenobu TODOROKI, of (1) and (2) c/o Yokogawa Electric Corporation, 9-32, Naka-cho 2-chome, Musashino-shi, Tokyo 180-8750 Japan, (3) and (4) c/o Nippon Paper Industries Co., Ltd., Pulp and Paper Research Laboratory, 5-21-1 Oji, Kita-ku, Tokyo 114-0002 Japan, hereinafter called assignor(s), have invented certain improvements in SIMULATION METHOD, FIBER ORIENTATION CONTROL METHOD AND FIBER ORIENTATION CONTROL APPARATUS

and executed an application for Letters Patent of the United States of America therefor on ; and

Whereas, (1) Yokogawa Electric Corporation, 9-32, Naka-cho 2-chome, Musashino-shi, Tokyo 180-8750 Japan (2) Nippon Paper Industries Co., Ltd., 1-4-1, Oji, Kita-ku, Tokyo 114-0002 Japan (assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including the rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number $\frac{12/439,944}{9}$, filed $\frac{03/04/09}{9}$) the filing date and application number of said application when known.

| | an 0000 | of Takashi Sasahi |
|-------|-------------------|----------------------------|
| Date: | February 23, 2009 | Takashi SASAKI |
| Date: | February 23, 2009 | 8/ 1/2 V F / Hirofumi SANC |
| Date: | | s/Katsumasa ONC |
| Date: | | s/Hidenobu TODOROK |

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

REEL: 022345 FRAME: 0065

ASSIGNMENT

Whereas, I/we, (1) Takashi SASAKI, (2) Hirofumi SANO, (3) Katsumasa ONO, (4) Hidenobu TODOROKI, of (1) and (2) c/o Yokogawa Electric Corporation, 9-32, Naka-cho 2-chome, Musashino-shi, Tokyo 180-8750 Japan, (3) and (4) c/o Nippon Paper Industries Co., Ltd., Pulp and Paper Research Laboratory, 5-21-1 Oji, Kita-ku, Tokyo 114-0002 Japan, hereinafter called assignor(s), have invented certain improvements in SIMULATION METHOD, FIBER ORIENTATION CONTROL METHOD AND FIBER ORIENTATION CONTROL APPARATUS and executed an application for Letters Patent of the United States of America therefor on and

Whereas, (1) Yokogawa Electric Corporation, 9-32, Naka-cho 2-chome, Musashino-shi, Tokyo 180-8750 Japan (2) Nippon Paper Industries Co., Ltd., 1-4-1, Oji, Kita-ku, Tokyo 114-0002 Japan (assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including the rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Director - U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

| SUGHRUE MION, PLLC of 2100 Pennsylvania | meys S | est my/our attor | horize and reque | eby auth | /We here | I |
|--|--------|------------------|------------------|----------|----------|-------------|
| insert here in parentheses (Application the filing date and application number of said | to | 20037-3213 | ington, D.C. | Washi | N.W., | Avenue, |
| | | | | known. | n when k | application |
| Takashi SASAKI | s/ | . 184 Fis | | ate: | Ďа | |
| Hirofumi SANO | s/ | | | ate: | Da | , |
| Katsumasa Ond Katsumasa ONO | s/ | 3, 2009 | February 2 | ate: | Da | • |
| Hidensba Todorofer Hidensbu TODOROKI | s/ | 3, 2009 | February 2 | Date: | Di | |

REEL: 022345 FRAME: 0066

(Legalization not required for recording but is prima facie evidence of execution under 35 U

RECORDED: 03/04/2009