

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
|---|------------------------|---------------|------------------------|---------------------|--------------------|-------------------|------------|------------------|------------|----------------|-------|--------------|----------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yukishige SHIRAICHI</td> <td>12/27/2010</td> </tr> <tr> <td>Masaki OHTSUKA</td> <td>12/27/2010</td> </tr> <tr> <td>Masaya TAKAHASHI</td> <td>12/27/2010</td> </tr> </tbody> </table> | | Name | Execution Date | Yukishige SHIRAICHI | 12/27/2010 | Masaki OHTSUKA | 12/27/2010 | Masaya TAKAHASHI | 12/27/2010 | | | | |
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| Yukishige SHIRAICHI | 12/27/2010 | | | | | | | | | | | | |
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| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Sharp Kabushiki Kaisha</td> </tr> <tr> <td>Street Address:</td> <td>22-22, Nagaike-cho</td> </tr> <tr> <td>Internal Address:</td> <td>Abeno-ku</td> </tr> <tr> <td>City:</td> <td>Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>545-8522</td> </tr> </table> | | Name: | Sharp Kabushiki Kaisha | Street Address: | 22-22, Nagaike-cho | Internal Address: | Abeno-ku | City: | Osaka | State/Country: | JAPAN | Postal Code: | 545-8522 |
| Name: | Sharp Kabushiki Kaisha | | | | | | | | | | | | |
| Street Address: | 22-22, Nagaike-cho | | | | | | | | | | | | |
| Internal Address: | Abeno-ku | | | | | | | | | | | | |
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| State/Country: | JAPAN | | | | | | | | | | | | |
| Postal Code: | 545-8522 | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>29381119</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 29381119 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 29381119 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| <p>Fax Number: (703)816-4100 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7038164000 Email: sab@nixonvan.com Correspondent Name: NIXON & VANDERHYE, PC Address Line 1: 901 NORTH GLEBE ROAD, 11TH FLOOR Address Line 4: ARLINGTON, VIRGINIA 22203</p> | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | MJK-790-2193 | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Michael J. Keenan | | | | | | | | | | | | |
| <p>Total Attachments: 4 source=790-2193ASSNMT#page1.tif</p> | | | | | | | | | | | | | |

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ASSIGNMENT FOR PATENT APPLICATION
(U.S. Rights Only)

WHEREAS, Yukishige SHIRAICHI of c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka, Japan, 545-8522; Masaki OHTSUKA of c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka, Japan, 545-8522; and Masaya TAKAHASHI of c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka, Japan, 545-8522 (hereinafter ASSIGNORS), have made an invention entitled CROSS-FLOW FAN for which a so-entitled application for Letters Patent of the United States, is being concurrently executed herewith; was filed in the United States Patent and Trademark Office on Concurrently under Serial No. To Be Assigned;

WHEREAS, Sharp Kabushiki Kaisha (hereinafter ASSIGNEE), a corporation of the Country of Japan, having an office and place of business at 22-22, Nagaike-cho, Abeno-ku, Osaka, Japan 545-8522 is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNORS by these presents hereby sell, assign, and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNORS' entire right, title and interest in the United States of America as defined in 35 U.S.C. § 100, in and to the invention as described in the aforesaid application and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, and the ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademark to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;

ASSIGNORS hereby agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; and

ASSIGNORS hereby agree to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

AGREED and executed as noted below:

December 27, 2010

Date

Witnessed by:

Kazuhito Chwai

Name:

Yukishige SHIRAICHI

Yukishige SHIRAICHI

December 27, 2010

Date:

AGREED and executed as noted below:

December 27, 2010

Date

Witnessed by:

Kazuhito Iwai

Name:

Masaki Ohtsuka

Masaki OHTSUKA

December 27, 2010

Date:

AGREED and executed as noted below:

December 27, 2010
Date

Witnessed by:

Kazuhito Iwai
Name:

Masaya TAKAHASHI
Masaya TAKAHASHI

December 27, 2010
Date: