

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tatsuya Makino</td> <td>08/25/2008</td> </tr> <tr> <td>Atsushi Takahashi</td> <td>08/25/2008</td> </tr> <tr> <td>Toshihiko Takasaki</td> <td>08/25/2008</td> </tr> <tr> <td>Tomoaki Shibata</td> <td>08/25/2008</td> </tr> <tr> <td>Masami Ochiai</td> <td>08/25/2008</td> </tr> </tbody> </table>		Name	Execution Date	Tatsuya Makino	08/25/2008	Atsushi Takahashi	08/25/2008	Toshihiko Takasaki	08/25/2008	Tomoaki Shibata	08/25/2008	Masami Ochiai	08/25/2008
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Masami Ochiai	08/25/2008												
<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	Hitachi Chemical Company, Ltd.												
<b>Street Address:</b>	1-1, Nishi-Shinjuku 2-chome, Shinjuku-ku,												
<b>City:</b>	Tokyo												
<b>State/Country:</b>	JAPAN												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12282746</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12282746								
Property Type	Number												
Application Number:	12282746												
<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(703)312-6666												
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Total Attachments: 1													

**OP \$40.00 12282746**

**500646101**

**PATENT  
 REEL: 021522 FRAME: 0667**



ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to HITACHI CHEMICAL COMPANY, LTD. of 1-1, Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo, Japan its successors and assigns or other legal representatives all my rights, title and interest, in and for the United States of America, in and to

PHENOXY RESIN FOR OPTICAL MATERIAL, RESIN COMPOSITION FOR OPTICAL MATERIAL, RESIN FILM FOR OPTICAL MATERIAL, AND OPTICAL WAVEGUIDE USING THOSE

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed by me even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI CHEMICAL COMPANY, LTD., its successors, assigns or other legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI CHEMICAL COMPANY, LTD.

- |                     |  | (Full Name)                        | (Signature)            |
|---------------------|--|------------------------------------|------------------------|
| 1) Date             | <u>AUG. 25, 2008</u>   | Inventor <u>Tatsuya MAKINO</u>     | <u>Tatsuya Makino</u>  |
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| 2) Date             | <u>AUG. 25, 2008</u>   | Inventor <u>Atsushi TAKAHASHI</u>  | <u>[Signature]</u>     |
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| Post Office Address | <u>c/o Advanced Materials R &amp; D Center, Hitachi Chemical Company, Ltd., 48, Wadai, Tsukuba-shi, Ibaraki, Japan</u> |                                    |                        |
| 3) Date             | <u>AUG. 25, 2008</u>   | Inventor <u>Toshihiko TAKASAKI</u> | <u>[Signature]</u>     |
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| 4) Date             | <u>AUG. 25, 2008</u>   | Inventor <u>Tomoaki SHIBATA</u>    | <u>Tomoaki Shibata</u> |
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| 5) Date             | <u>AUG. 25, 2008</u>   | Inventor <u>Masami OCHIAI</u>      | <u>Masami Ochiai</u>   |
| Residence           | <u>Ibaraki, Japan</u>  | Citizenship <u>Japan</u>           |                        |
| Post Office Address | <u>c/o Advanced Materials R &amp; D Center, Hitachi Chemical Company, Ltd., 48, Wadai, Tsukuba-shi, Ibaraki, Japan</u> |                                    |                        |

Witness(es)

- All) \_\_\_\_\_ 2) \_\_\_\_\_ 4) \_\_\_\_\_  
 1) \_\_\_\_\_ 3) \_\_\_\_\_ 5) \_\_\_\_\_