

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Shigetaka NUMAZAWA</td> <td>04/11/2012</td> </tr> <tr> <td>Katsumi ABE</td> <td>04/11/2012</td> </tr> <tr> <td>Makoto KOIKE</td> <td>04/11/2012</td> </tr> <tr> <td>Kiyotaka IHARA</td> <td>04/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Shigetaka NUMAZAWA	04/11/2012	Katsumi ABE	04/11/2012	Makoto KOIKE	04/11/2012	Kiyotaka IHARA	04/11/2012
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<table border="1"> <tr> <td>Name:</td> <td>HODOGAYA CHEMICAL CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>2-4-1, Shibakoen, Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>105-0011</td> </tr> </table>		Name:	HODOGAYA CHEMICAL CO., LTD.	Street Address:	2-4-1, Shibakoen, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	105-0011
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CORRESPONDENCE DATA											
<p>Fax Number: (703)716-1180          Phone: 703-716-1191          Email: gbpatent@gbpatent.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: GREENBLUM &amp; BERNSTEIN, P.L.C.          Address Line 1: 1950 ROLAND CLARKE PLACE          Address Line 4: RESTON, VIRGINIA 20191</p>											
ATTORNEY DOCKET NUMBER:	P41868										
NAME OF SUBMITTER:	Daniel B. Moon										
Total Attachments: 1 source=P41868_ASSIGNMENT#page1.tif											

OP \$40.00 13503227

# Assignment

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned,

Shigetaka NUMAZAWA, Katsumi ABE, Makoto KOIKE and Kiyotaka IHARA,  
all citizens of Japan, residing respectively at Ibaraki, Japan,  
Fukushima, Japan, Fukushima, Japan, and Yamaguchi, Japan.

Hereby sell, assign and transfer to HODOGAYA CHEMICAL CO., LTD.  
a corporation of Japan having a place of business at 2-4-1, Shibakoen, Minato-ku, Tokyo  
105-0011, Japan  
its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign  
countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent,  
which has been executed by the undersigned concurrently herewith April 11, 2012, and  
is entitled Diphenylnaphthylamine Derivatives  
, and in and to said application and all divisional, con-  
tinuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in  
the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents  
which have been or shall be issued in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and  
that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal rep-  
resentatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divi-  
sional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements;  
execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors,  
assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof;  
and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable  
for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said im-  
provements and all applications for patents and all patents on said improvements, in said Assignee, its successors, as-  
signs and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage,  
license or other agreement affecting the rights and property herein conveyed has been made to others by the under-  
signed, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: April 11, 2012

*Shigetaka Numazawa* (L.S.)

*Katsumi Abe* (L.S.)

*Makoto Koike* (L.S.)

*Kiyotaka Ihara* (L.S.)

Witness

*Sawa Izumi* (L.S.)

(L.S.)

PATENT (L.S.)