

PATENT ASSIGNMENT

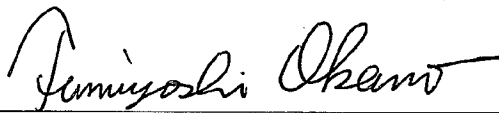
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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Fumiyoshi OKANO</td> <td>07/20/2012</td> </tr> <tr> <td>Takanori SAITO</td> <td>07/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Fumiyoshi OKANO	07/20/2012	Takanori SAITO	07/20/2012
Name	Execution Date						
Fumiyoshi OKANO	07/20/2012						
Takanori SAITO	07/20/2012						
RECEIVING PARTY DATA							
Name:	TORAY INDUSTRIES, INC.						
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City:	Tokyo						
State/Country:	JAPAN						
Postal Code:	103-8666						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13576955</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13576955		
Property Type	Number						
Application Number:	13576955						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	ANDREW D. MEIKLE						
Total Attachments: 2 source=2012-07-26 Assignment 1254-0510PUS1#page1.tif source=2012-07-26 Assignment 1254-0510PUS1#page2.tif							

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Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its legal representatives and assigns covenant and any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of **BIRCH, STEWART, KOLASCH & BIRCH, LLP** of **8110 Gatehouse Road, Suite 100 East, Falls Church, Virginia 22042-1248 U.S.A.** the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: July 20, 2012 
(Signature of inventor) **Fumiyoshi OKANO**

Date: July 20, 2012 Takanori Saito
(Signature of inventor) **Takanori SAITO**