

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Osamu Ogata</td> <td>01/15/2013</td> </tr> <tr> <td>Wataru Kuriyama</td> <td>01/15/2013</td> </tr> <tr> <td>Takaji Matsumoto</td> <td>01/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Osamu Ogata	01/15/2013	Wataru Kuriyama	01/15/2013	Takaji Matsumoto	01/15/2013
Name	Execution Date								
Osamu Ogata	01/15/2013								
Wataru Kuriyama	01/15/2013								
Takaji Matsumoto	01/15/2013								
RECEIVING PARTY DATA									
Name:	Takasago International Corporation								
Street Address:	37-1, Kamata 5-chome, Ohta-ku								
City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	1448721								
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>13825449</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13825449				
Property Type	Number								
Application Number:	13825449								
CORRESPONDENCE DATA									
Fax Number:	6172274420								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	617 239-0100								
Email:	cscherbel@edwardswildman.com								
Correspondent Name:	EDWARDS WILDMAN PALMER LLP								
Address Line 1:	P.O. BOX 55874								
Address Line 4:	BOSTON, MASSACHUSETTS 02205								
ATTORNEY DOCKET NUMBER:	91574(71526)								
NAME OF SUBMITTER:	Peter F. Corless								
Total Attachments: 3 source=91574_Assignment#page1.tif source=91574_Assignment#page2.tif source=91574_Assignment#page3.tif									

CH \$40.00 13825449

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this _____ day of _____, _____, by Osamu Ogata; Wataru Kuriyama; and Takaji Matsumoto (hereinafter referred to as Assignors), residing at c/o Takasago International Corporation, Corporate Research & Development Division, 4-11, Nishiyawata 1-chome, Hiratsuka-shi, Kanagawa, 254-0073, JAPAN, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in METHOD FOR PRODUCING ALCOHOL AND/OR AMINE FROM AMIDE COMPOUND, set forth in a Patent application for which an International Application was filed on September 1, 2011, PCT/JP2011/004897, designating the United States; and

WHEREAS, Takasago International Corporation, a Corporation organized under and pursuant to the laws of Japan having its principal place of business at 37-1, Kamata 5-chome, Ohta-ku, Tokyo, 144-8721, JAPAN (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

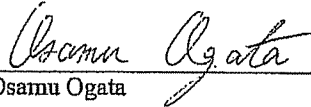
AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

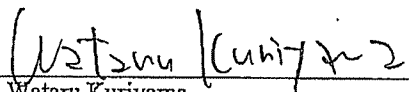
AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

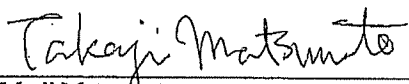
EDWARDS WILDMAN PALMER LLP

All practitioners at Customer Number 21874

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: January 15, 2013 Signature: 
Osamu Ogata

Date: January 15, 2013 Signature: 
Wataru Kuriyama

Date: January 15, 2013 Signature: 
Takaji Matsumoto