
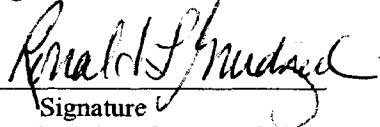


AD 581.40

10/589259
IAP11 Rec'd PCT/PTO 11 AUG 2006

FORM PTO-1595 (Rev. 6-93)		08-23-2006 	3. DEPARTMENT OF COMMERCE Patent and Trademark Office IEET
To the Commissioner for Patent Please record the attached original documents or copy thereof.		103295472	Attorney Docket No.: 47232-5012 SIGNMENT RECORDATION SERVICES
1. Name of conveying party(ies): 1) Shu KOBAYASHI 2) Haruro ISHITANI 3) Yasuhiro YAMASHITA Additional names of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Name: JAPAN SCIENCE AND TECHNOLOGY AGENCY Address: 4-1-8, Honcho Kawaguchi-shi, Saitama 332-0012 Japan Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: (1, 3) May 16, 2006; (2) May 10, 2006	4. New Application number(s) or patent number(s): NEW 5. If this document is being filed together with a new application the execution date of the application is: <div style="text-align: center;">(1, 3) May 16, 2006; (2) May 10, 2006</div> A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Ronald L. Grudziecki Internal Address: DRINKER BIDDLE & REATH LLP Customer No. 055694 Street Address: 1500 K. Street, N.W., Suite 1100 City: Washington State: D.C. Zip: 20005-1209	6. Total number of applications and patents involved: 1 7. Total fee (37 C.F.R. §3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to Deposit Account 50-0573 8. Deposit Account No. 50-0573 (Attach duplicate page if paying by deposit account)		
9. Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.			
Ronald L. Grudziecki, Reg. No. 24,970 Name of Person Signing		 Signature	
		August 11, 2006 Date	
Total number of pages including cover sheet, attachments and documents: 3			

DC\574848\1

PATENT
REEL: 018208 FRAME: 0143

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by KOBAYASHI Shu, ISHITANI Haruro and YAMASHITA Yasuhiro residing at 2-19, Kandatsukasacho, Chiyoda-ku, Tokyo 101-0048 Japan, 402, Park Hills Hongo, 1-30-13, Hongo, Bunkyo-ku, Tokyo 113-0033 Japan and 203, Sun Palace, 2-16-8, Nishikata, Bunkyo-ku, Tokyo 113-0024 Japan, (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in ASYMMETRIC REACTION CATALYST AND METHOD FOR PREPARING OPTICALLY ACTIVE COMPOUND USING THE SAME set forth in an application for Letters Patent of the United States, which is a

- (1) ☐ which is a provisional application
 (a) ☐ bearing Application No. _____, and filed on _____;
 (b) ☐ to be filed herewith; or
- (2) ☐ which is a non-provisional application
 (a) ☐ bearing Application No. _____, and filed on _____;
 (b) ☐ having an oath or declaration executed on even date herewith prior to filing of application;
 (c) ☐ having an oath or declaration executed on a different date than this Assignment; and

WHEREAS, JAPAN SCIENCE AND TECHNOLOGY AGENCY, a corporation duly organized under and pursuant to the laws of JAPAN and having a principal place of business at 4-1-8, HONCHO, KAWAGUCHI-SHI, SAITAMA, 332-0012 JAPAN (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are

unencumbered, and that the 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, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, 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 Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Burns, Doane, Swecker & Mathis, L.L.P., of Alexandria, Virginia, to insert in the spaces provided above the filing date, application number, and attorney's docket number of said application when known.

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

DATE May 16, 2006


Signature of Assignor

DATE May 10, 2006

Nuruno Oshitani
Signature of Assignor

DATE May 16, 2006

Yasuhiro Yamashita
Signature of Assignor

DATE _____

Signature of Assignor

DATE _____

Signature of Assignor

DATE _____

Signature of Assignor

DATE _____

Signature of Assignor

DATE _____

Signature of Assignor