

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kazuhiko TABATA	08/22/2011
Akihiro SENOO	08/22/2011
RECEIVING PARTY DATA	
Name:	Kyowa Hakko Bio Co., Ltd.
Street Address:	1-6-1, Ohtemachi, Chiyoda-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	100-8185
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13148564
CORRESPONDENCE DATA	
Fax Number:	(312)616-5700
Phone:	(312) 616-5600
Email:	assignments@leydig.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	John Kilyk, Jr.
Address Line 1:	Leydig, Voit & Mayer, Ltd.
Address Line 2:	Two Prudential Plaza, Suite 4900
Address Line 4:	Chicago, ILLINOIS 60601-6731
ATTORNEY DOCKET NUMBER:	708793
NAME OF SUBMITTER:	John Kilyk, Jr.
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

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Leydig, Voit & Mayer, Ltd.
Two Prudential Plaza, Suite 4900
180 North Stetson Avenue
Chicago, Illinois 60601-6731

ASSIGNMENT

WHEREAS, We, Kazuhiko TABATA and Akihiro SENOO both of c/o Bioprocess Development Center, KYOWA HAKKO BIO CO., LTD., 2 Miyukigaoka, Tsukuba-shi, Ibaraki 305-0841 Japan, have invented and own a certain invention entitled:

PROCESS FOR PRODUCING L-AMINO ACID

for which invention we have executed an application (provisional or non-provisional) for a United States patent, which was filed on August 9, 2011, under Application No. 13/148,564, and

WHEREAS, KYOWA HAKKO BIO CO., LTD., of 1-6-1, Ohtemachi, Chiyoda-ku, Tokyo 100-8185 Japan (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title, and interest in and under the invention described in the patent application.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the United States and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, and reexaminations) that may be filed in the United States on the invention, and the patents or extensions thereof that may issue thereon, and we do hereby authorize and request the Commissioner for Patents to issue United States patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional,

reissued, or reexamined patents of the United States on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date August 22, 2011

Kazuhiko Tabata
Kazuhiko TABATA

Date August 22, 2011

Satoshi Mitsuhashi
Witness Satoshi MITSUHASHI

Date August 22, 2011

Tsuneyo Nishino
Witness Tsuneyo NISHINO

Date August 22, 2011

Akihiro Senoo
Akihiro SENOO

Date August 22, 2011

Satoshi Mitsuhashi
Witness Satoshi MITSUHASHI

Date August 22, 2011

Tsuneyo Nishino
Witness Tsuneyo NISHINO