

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3730285

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	MERGER
<b>EFFECTIVE DATE:</b>	02/01/2012
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KABUSHIKI KAISHA HAYASHIBARA SEIBUTSU KAGAKU KENKYUJO	02/01/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HAYASHIBARA CO., LTD.
<b>Street Address:</b>	675-1 FUJISAKI
<b>Internal Address:</b>	NAKA-KU
<b>City:</b>	OKAYAMA-SHI, OKAYAMA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	702-8006
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	9155751
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(248)641-0270
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	248-641-1600
<b>Email:</b>	troydocketing@hdp.com, jzettle@hdp.com
<b>Correspondent Name:</b>	HARNESS, DICKEY & PIERCE, P.L.C.
<b>Address Line 1:</b>	P.O. BOX 828
<b>Address Line 2:</b>	BRYANT E. WADE
<b>Address Line 4:</b>	BLOOMFIELD HILLS, MICHIGAN 48303
<b>ATTORNEY DOCKET NUMBER:</b>	16379K-500017
<b>NAME OF SUBMITTER:</b>	BRYANT E. WADE
<b>SIGNATURE:</b>	/Bryant E. Wade/
<b>DATE SIGNED:</b>	02/08/2016
<b>Total Attachments: 9</b>	
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## Certificate of Complete Historical Records

675-1 Fujisaki, Naka-ku, Okayama

Hayashibara Co., Ltd.

Company Registration No.	2600-01-005451	
Business name	<u>Hayashibara Co., Ltd.</u>	
	Hayashibara Co., Ltd.	Changed on April 1, 1990
Headquarters	<u>1-2-3 Shimoishii, Kita-ku, Okayama</u>	Changed on April 1, 2009
		Corrected on April 9, 2009
	675-1 Fujisaki, Naka-ku, Okayama	Relocated on March 26, 2012
		Registered on March 30, 2012
Method of announcement	<u>By publication in an official gazette</u>	
	Announcement of the subject company shall be made by publication in an official gazette	Changed on February 3, 2012
		Registered on February 20, 2012
Date of incorporation	July 10, 1932	
Purpose(s)	<u>1. Manufacture and sales of products obtained by processing starch syrup, glucose, maltose and other starch as main raw materials, with the aid of microorganisms and enzyme chemicals</u> <u>2. Manufacture, purchase and contract processing of starch</u> <u>3. Manufacture of enzymes and enzyme processed products</u> <u>4. Manufacture of pharmaceutical preparations, industrial chemicals and reagents</u> <u>5. Manufacture of electric appliances and medical equipment</u> <u>6. Lease, maintenance management and acting as a middleman for medical equipment</u> <u>7. Motor truck transportation business, marine transportation business, port transportation business</u> <u>8. Lease of real estate, and management of auto parking lot</u> <u>9. Management of sports facilities, recreation game halls and leisure facilities</u> <u>10. Management of cafeterias, restaurants and coffee shops</u> <u>11. Management of tourist facilities and hotels</u> <u>12. Ownership and exchange of stock</u> <u>13. Credit guarantee of affiliates, loan of money, bill discount and purchase of monetary claims</u> <u>14. Sales, lease, maintenance management and acting as a middleman for</u>	

Reference No. T237655 \* Those underlined show that they are items cancelled.

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**PATENT**  
**REEL: 037683 FRAME: 0842**

	<u>research and laboratory equipment, computers, office equipment such as copy machines, and boats and ships, aircraft and vehicles</u> <u>15. Any and all business accompanied by the operations in the respective foregoing items</u>	
	1. Manufacture, purchase, contract processing, R&D and sales of products obtained by processing starch syrup, glucose, maltose and other starch as main raw materials, with the aid of microorganisms, enzymes and enzyme processed products 2. Manufacture, purchase and contract processing of starch 3. Manufacture, purchase and contract processing of enzymes and enzyme processed products 4. Manufacture, purchase, contract processing, R&D and sales of pharmaceutical preparations, pharmaceutical raw materials, quasi-pharmaceutical products, industrial chemicals, reagents, cosmetics, cosmetic raw materials, microorganisms and food and drink 5. Manufacture, purchase, contract processing, R&D and sales of various organochemical synthetic products including photosensitive pigment 6. Technology grant, and buying and selling of industrial property rights relating to the respective foregoing items 7. Any and all business accompanied by and relating to the operations in the respective foregoing items <div style="text-align: right;"> Changed on February 3, 2012      Registered on February 20, 2012 </div>	
Total of issuable stock	<u>2,000,000 shares</u>	
	400,000 shares	Changed on February 3, 2012
		Registered on February 20, 2012
Total, class and number of outstanding stock	Total outstanding shares <u>2,000,000 shares</u>	
	Total outstanding shares None	Changed on February 3, 2012
		Registered on February 20, 2012
	Total outstanding shares 300,000 shares	Changed on February 3, 2012
		Registered on February 20, 2012
Provision to issue stock certificates	Stock certificates are issued with respect to shares of the subject company  <div style="text-align: right;"> Registered on May 1, 2006  under H17 Law No. 87,  Article 136 </div>	

	Abolished on February 3, 2012	Registered on February 20, 2012
Amount of capital	<u>100,000,000 Japanese Yen</u>	
	<u>None</u>	Changed on February 3, 2012 Registered on February 20, 2012
	<u>7,500,000,000 Japanese Yen</u>	Changed on February 3, 2012 Registered on February 20, 2012
Provision of restriction to stock transfer	<u>Transferring stock of the subject company must be approved by the Board of Directors</u>	
	Obtaining stock of the subject company by transfer must be approved by the Board of Directors Changed on February 3, 2012 Registered on February 20, 2012	
Matters concerning officers	<u>Director Shigeharu FUKUDA</u>	Appointed on February 2, 2011 Registered on February 16, 2011
	<u>Director Shigeharu FUKUDA</u>	Reappointed on December 31, 2011 Registered on January 6, 2012
	<u>Director Shigeharu FUKUDA</u>	Reappointed on February 3, 2012 Registered on February 20, 2012
	<u>Director Shigeharu FUKUDA</u>	Reappointed on June 27, 2012 Registered on August 7, 2012
	<u>Director Shigeharu FUKUDA</u>	Reappointed on June 24, 2013 Registered on July 5, 2013
	<u>Director Shigeharu FUKUDA</u>	Reappointed on June 23, 2014 Registered on July 2, 2014
	<u>Director Shigeharu FUKUDA</u>	Reappointed on June 23, 2015 Registered on July 2, 2015
	<u>Director Takanao TOGAWA</u>	Appointed on February 2, 2011 Registered on February 16, 2011
	<u>Director Takanao TOGAWA</u>	Reappointed on December 31, 2011 Registered on January 6, 2012
	<u>Director Takanao TOGAWA</u>	Reappointed on February 3, 2012 Registered on February 20, 2012
	<u>Director Takanao TOGAWA</u>	Reappointed on June 27, 2012 Registered on August 7, 2012
		Retired on June 24, 2013 Registered on July 5, 2013

<p><u>Director Toshio MIYAKE</u></p> <p><u>Director Toshio MIYAKE</u></p>	<p>Appointed on February 2, 2011 Registered on February 16, 2011 Reappointed on December 31, 2011 Registered on January 6, 2012 Retired on February 3, 2012 Registered on February 20, 2012</p>
<p><u>Director Reiji NAGASE</u></p> <p><u>Director Reiji NAGASE</u></p> <p><u>Director Reiji NAGASE</u></p> <p><u>Director Reiji NAGASE</u></p>	<p>Appointed on February 3, 2012 Registered on February 20, 2012 Reappointed on June 27, 2012 Registered on August 7, 2012 Reappointed on June 24, 2013 Registered on July 5, 2013</p> <p>Reappointed on June 23, 2014 Registered on July 2, 2014 Resigned on March 31, 2015 Registered on April 2, 2015</p>
<p><u>Director Kazuhiro TANAKA</u></p> <p><u>Director Kazuhiro TANAKA</u></p> <p><u>Director Kazuhiro TANAKA</u></p>	<p>Appointed on February 3, 2012 Registered on February 20, 2012 Reappointed on June 27, 2012 Registered on August 7, 2012</p> <p>Reappointed on June 24, 2013 Registered on July 5, 2013 Retired on June 23, 2014 Registered on July 2, 2014</p>
<p><u>Director Shigeru DOI</u></p> <p><u>Director Shigeru DOI</u></p> <p><u>Director Shigeru DOI</u></p>	<p>Appointed on February 3, 2012 Registered on February 20, 2012 Family name of Shigeru DOI [Written name] amended on February 24, 2012</p> <p>Reappointed on June 27, 2012 Registered on August 7, 2012</p> <p>Retired on June 24, 2013 Registered on July 5, 2013</p>

Director <u>Nobuyuki NAKAMURA</u>	Appointed on February 3, 2012
Director <u>Nobuyuki NAKAMURA</u>	Registered on February 20, 2012 Reappointed on June 27, 2012 Registered on August 7, 2012 Resigned on April 1, 2013 Registered on April 5, 2013
Director <u>Mitsuru SUGANO</u>	Appointed on February 3, 2012 Registered on February 20, 2012
Director <u>Mitsuru SUGANO</u>	Reappointed on June 27, 2012 Registered on August 7, 2012 Resigned on April 1, 2013 Registered on April 5, 2013
Director <u>Mitsukuni MOURI</u>	Appointed on April 1, 2012 Registered on April 16, 2012
Director <u>Mitsukuni MOURI</u>	Reappointed on June 27, 2012 Registered on August 7, 2012
Director <u>Mitsukuni MOURI</u>	Reappointed on June 24, 2013 Registered on July 5, 2013 Retired on June 23, 2014 Registered on July 2, 2014
Director <u>Osamu MORISHITA</u>	Appointed on April 1, 2013 Registered on April 5, 2013
Director <u>Osamu MORISHITA</u>	Reappointed on June 24, 2013 Registered on July 5, 2013
Director <u>Osamu MORISHITA</u>	Reappointed on June 23, 2014 Registered on July 2, 2014
Director <u>Osamu MORISHITA</u>	Reappointed on June 23, 2015 Registered on July 2, 2015
Director <u>Satoshi KAKUNAMI</u>	Appointed on June 24, 2013 Registered on July 5, 2013
Director <u>Satoshi KAKUNAMI</u>	Reappointed on June 23, 2014 Registered on July 2, 2014  Retired on June 23, 2015 Registered on July 2, 2015
Director <u>Tsunesato FURUKAWA</u>	Appointed on December 1, 2013 Registered on December 2, 2013
Director <u>Tsunesato FURUKAWA</u>	Reappointed on June 23, 2014 Registered on July 2, 2014

Director Tsunesato FURUKAWA	Reappointed on June 23, 2015 Registered on July 2, 2015
<u>Director Takayuki KUROSAKI</u>	Appointed on April 1, 2014 Registered on April 10, 2014
<u>Director Takayuki KUROSAKI</u>	Reappointed on June 23, 2014 Registered on July 2, 2014
Director Takayuki KUROSAKI	Reappointed on June 23, 2015 Registered on July 2, 2015
<u>Director Naoki YASUBA</u>	Appointed on April 1, 2015
Director Naoki YASUBA	Registered on April 2, 2015 Reappointed on June 23, 2015 Registered on July 2, 2015
Director Kusuo OOTA	Appointed on April 1, 2015
Director Kusuo OOTA	Registered on April 2, 2015 Reappointed on June 23, 2015 Registered on July 2, 2015
<u>2189 Atsu, Minami-ku, Okayama</u> <u>Representative Director</u> <u>Shigeharu FUKUDA</u>	Appointed on February 2, 2011
<u>2189 Atsu, Minami-ku, Okayama</u> <u>Representative Director</u> <u>Shigeharu FUKUDA</u>	Registered on February 16, 2011 Reappointed on December 31, 2011 Registered on January 6, 2012 Retired on February 3, 2012 Registered on February 20, 2012
<u>3-27-14 Denenchoufu, Ota-ku, Tokyo</u> <u>Representative Director Reiji NAGASE</u>	Appointed on February 3, 2012
<u>3-27-14 Denenchoufu, Ota-ku, Tokyo</u> <u>Representative Director Reiji NAGASE</u>	Registered on February 20, 2012
<u>3-27-14 Denenchoufu, Ota-ku, Tokyo</u> <u>Representative Director Reiji NAGASE</u>	Reappointed on June 27, 2012
<u>3-27-14 Denenchoufu, Ota-ku, Tokyo</u> <u>Representative Director Reiji NAGASE</u>	Registered on August 7, 2012
<u>3-27-14 Denenchoufu, Ota-ku, Tokyo</u> <u>Representative Director Reiji NAGASE</u>	Reappointed on June 24, 2013
<u>3-27-14 Denenchoufu, Ota-ku, Tokyo</u> <u>Representative Director Reiji NAGASE</u>	Registered on July 5, 2013
<u>3-27-14 Denenchoufu, Ota-ku, Tokyo</u> <u>Representative Director Reiji NAGASE</u>	Reappointed on June 23, 2014
<u>3-27-14 Denenchoufu, Ota-ku, Tokyo</u> <u>Representative Director Reiji NAGASE</u>	Registered on July 2, 2014 Retired on March 31, 2015 Registered on April 2, 2015
<u>4-19-25, Tarui, Sennan-shi, Osaka</u> <u>Representative Director</u> <u>Osamu MORISHITA</u>	Appointed on April 1, 2014
<u>4-19-25, Tarui, Sennan-shi, Osaka</u> <u>Representative Director</u> <u>Osamu MORISHITA</u>	Registered on April 10, 2014
<u>4-19-25, Tarui, Sennan-shi, Osaka</u> <u>Representative Director</u> <u>Osamu MORISHITA</u>	Reappointed on June 23, 2014
<u>4-19-25, Tarui, Sennan-shi, Osaka</u> <u>Representative Director</u> <u>Osamu MORISHITA</u>	Registered on July 2, 2014
<u>4-19-25, Tarui, Sennan-shi, Osaka</u> <u>Representative Director</u> <u>Osamu MORISHITA</u>	Reappointed on June 23, 2015 Registered on July 2, 2015



<u>Auditor Tokuaki AKIYAMA</u>  <u>Auditor Tokuaki AKIYAMA</u>	Appointed on February 2, 2011 Registered on February 16, 2011  Reappointed on December 31, 2011 Registered on January 6, 2012 Retired on February 3, 2012 Registered on February 20, 2012
<u>Auditor Hideo YAMASHITA</u>  Auditor Hideo YAMASHITA	Appointed on February 3, 2012 Registered on February 20, 2012 Reappointed on June 23, 2015 Registered on July 2, 2015
<u>Accounting auditor</u> <u>ERNST &amp; YOUNG SHINNIHON LLC</u>  <u>Accounting auditor</u> <u>ERNST &amp; YOUNG SHINNIHON LLC</u>  <u>Accounting auditor</u> <u>ERNST &amp; YOUNG SHINNIHON LLC</u>  <u>Accounting auditor</u> <u>ERNST &amp; YOUNG SHINNIHON LLC</u>  Accounting auditor ERNST & YOUNG SHINNIHON LLC	Appointed on February 3, 2012 Registered on February 20, 2012 Reappointed on June 27, 2012 Registered on August 7, 2012 Reappointed on June 24, 2013 Registered on July 5, 2013 Reappointed on June 23, 2014 Registered on July 2, 2014  Reappointed on June 23, 2015 Registered on July 2, 2015
<u>1-12-32 ARK MORI Building, Akasaka, Minato-ku, Tokyo</u>  <u>Trustee Hideki MATSUSHIMA</u>	Registered on March 10, 2011
<u>3-27-14 Denenchofu, Ota-ku, Tokyo</u>  <u>Trustee Reiji NAGASE</u>	Selected by the Tokyo District Court on August 3, 2011 Registered on August 8, 2011
<u>3-27-14 Denenchofu, Ota-ku, Tokyo</u>  <u>Trustee Reiji NAGASE</u>  <u>The Court permitted segregation of duties of the trustee, Reiji NAGASE.</u>  <u>1. Duties allocated to the trustee, Reiji NAGASE</u> <u>(1) Office work relating to business</u> <u>(2) Office work relating to bank transactions (including serving as a holder of a deposit account, etc.)</u> <u>(3) Filing, maintenance, abandonment and licensing of patent rights, trademark rights and other intellectual property rights, and other intellectual property-related office work</u>	Decided by the Tokyo District Court on September 1, 2011

	<p><u>(4) Daily routine except for the duties allocated to the trustee, Hideki MATSUSHIMA</u></p> <p><u>2. Trustee's duties other than those allocated to the trustee Reiji NAGASE and the trustee Hideki MATSUSHIMA (including important matters in connection with important personnel, etc. back-office sections and establishment of business bases, etc.) shall be jointly performed.</u></p>	Registered on September 5, 2011
	<p><u>1-12-32 ARK MORI Building, Akasaka, Minato-ku, Tokyo</u></p> <p><u>Trustee            Hideki MATSUSHIMA</u></p> <p><u>The Court permitted segregation of duties of the trustee, Hideki MATSUSHIMA.</u></p> <p><u>1. Duties allocated to the trustee, Hideki MATSUSHIMA</u> <u>(1) Office work relating to actions or suits</u> <u>(2) Office work relating to investigation, approval or disapproval and fixing of reorganization claims and secured reorganization claims</u> <u>(3) Office work relating to exercise of disapproval rights, and investigation and pursuit of responsibilities of former officers, etc.</u> <u>(4) Office work on investigation reporting and asset investigation</u> <u>(5) Office work relating to disposition of non-business assets (including debt collection)</u> <u>(6) Office work in general relating to other legal proceedings (including filing an application for permission to the Court)</u></p> <p><u>2. Trustee's duties other than those allocated to the trustee Reiji NAGASE and the trustee Hideki MATSUSHIMA (including important matters in connection with important personnel, etc. back-office sections and establishment of business bases, etc.) shall be jointly performed.</u></p>	Decided by the Tokyo District Court on September 1, 2011
Company division	Divided into Taiyo Estate Co., Ltd. at 1-12-32 Akasaka, Minato-ku, Tokyo on January 31, 2012.	Registered on February 8, 2012
	Divided into Taiyo Estate Co., Ltd. at 1-12-32 Akasaka, Minato-ku, Tokyo on February 24, 2012	Registered on March 1, 2012
Merger	Conducted a merger with Hayashibara Shoji, Co., Ltd. at 1-2-3 Shimoishii, Kita-ku, Okayama on February 1, 2012	Registered on February 13, 2012
	Conducted a merger with KABUSHIKI KAISHA HAYASHIBARA SEIBUTSU KAGAKU KENKYUJO at 1-2-3 Shimoishii, Kita-ku, Okayama on February 1, 2012	Registered on February 13, 2012

675-1 Fujisaki, Naka-ku, Okayama  
Hayashibara Co., Ltd.

Matters on company with a board of directors	Company with a board of directors Registered on May 1, 2006 under H17 Law No. 87, Article 136
Matters on company with an auditor	Company with an auditor Registered on May 1, 2006 under H17 Law No. 87, Article 136
Matters on company with an accounting auditor	Company with an accounting auditor Established on February 3, 2012 Registered on February 20, 2012
Corporate reorganization	<u>Commenced reorganization proceedings at the Tokyo District Court on March 7, 2011 at 11:00 am.</u> Registered on March 10, 2011
	<u>The Court granted approval for reorganization plan on December 31, 2011.</u> Registered on January 6, 2012
	<u>Reorganization proceedings were completed at the Tokyo District Court on March 26, 2012.</u> Registered on March 28, 2012
	In compliance with H01 [=1988] Ordinance No. 15 of the Ministry of Justice, Supplementary Provision Paragraph 3 Transferred to the records on December 2, 1999
Matters concerning registration records	

This document certifies that the above is the complete records which are current and as recorded in the register.

(Jurisdiction of Okayama District Legal Affairs Bureau)

October 13, 2015

Taito Branch Office of Tokyo Legal Affairs Bureau  
Register

Yasutaka KANEKO (Seal)

Noriko Kanesaku, declare that the translation of the Certificate of Complete Historical Records is true and accurate as that of original.

