

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TEMASEK LIFE SCIENCES LABORATORY LIMITED	11/19/2012
RECEIVING PARTY DATA	
Name:	JOil (S) PTE LTD.
Street Address:	1 Research Link
Internal Address:	National University of Singapore
City:	Singapore
State/Country:	SINGAPORE
Postal Code:	117604
PROPERTY NUMBERS Total: 5	
Property Type	Number
Application Number:	12863698
Application Number:	13054656
Application Number:	13141752
Application Number:	13139592
Application Number:	13541142
CORRESPONDENCE DATA	
Fax Number:	2027836031
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(202) 783-6040
Email:	bpeterson@rfem.com
Correspondent Name:	Rothwell, Figg, Ernst & Manbeck P.C.
Address Line 1:	607 14th Street N.W.
Address Line 2:	Suite 800
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20005
ATTORNEY DOCKET NUMBER:	2577-186 189 191 192 216

CH \$200.00 12863698

NAME OF SUBMITTER:

Jeffrey L. Ihnen

Total Attachments: 5

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ASSIGNMENT

This Assignment is made by

Name: **TEMASEK LIFE SCIENCES LABORATORY LIMITED**
Address: 1 Research Link, National University of Singapore, SG 117604

(hereinafter referred to as "Assignor") in favor of and for the benefit of

Name: **JOH (S) PTE LTD.**
Address: 1 Research Link, National University of Singapore, SG 117604

(hereinafter referred to as "Assignee").

For good, sufficient and adequate consideration, the receipt of which is hereby acknowledged, the Assignor has, as of the effective date of *31 December 2011*, sold, assigned, transferred, and set over, and by these presents, and to the extent any transferable or assignable rights still remain with the Assignor, do hereby 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 following inventions, applications, applications for Letters Patent, and any and all Letters Patent or Patents in all countries and pursuant to all multilateral treaty organizations, including the United States of America, the Patent Cooperation Treaty and European Patent Convention, that may be granted therefor and thereon, and in and to any and all divisions, continuations, continuations-in-part, conversions and utility models of said applications, and reissues and extensions of said Letters Patent or Patents, the same to be held and enjoyed by the Assignee, for its use and benefit and the use and the benefit of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent, Patents and Utility Models may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made: those inventions and those U.S. and international applications set forth in the attached Appendix A.

The assignment of the above mentioned rights includes a transfer of the whole right to use a priority (including priority according to any convention, multilateral agreement, bilateral agreement and national law) of the above mentioned applications for Letter Patent and Utility Model in all countries and multilateral treaty organizations wherein no residual rights shall remain with the Assignor. Assignor hereby requests that said Letters Patent, Patent or Utility Model be issued to Assignee as the Assignee of said inventions, the Letters Patent, Patent or Utility Model to be issued for the sole use and benefit of the Assignee, its successors, legal representatives, and assigns. Assignee alone hereinafter has the entire disposal of the invention and possesses entire ownership to any domestic and foreign patents or utility models granted thereafter. The rights granted hereunder shall include all rights to institute legal actions, obtain remedies and recover and retain damages in respect to said Letters Patent, Patent or Utility Model.

The Assignor and Assignee hereby understand and agree that with the execution of this Assignment, to the extent necessary or appropriate, national and/or regional applications may be filed by the Assignee as the applicant and on behalf of the assignor.

To the extent Assignee is entitled to receive the rights hereunder pursuant to this Assignment, Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of the effective date of *31 December 2011*, the Assignor was the sole and lawful owner of the entire rights, titles, and interests in and to the inventions and

applications for Letters Patent or Utility Models above-mentioned, and that the same are unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

Further, and for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that the Assignor 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 any proceeding in connection with Letters Patent or Utility Model for said inventions, in any country and any multilateral treaty organization, including interference proceedings, is lawful and desirable, or that any division, continuation, continuation-in-part, conversion or Utility Model of any applications for Letters Patent or Utility Model, or any reissue or extension of any Letters Patent 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 Utility Model for said inventions, without charge to Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns. If the Assignor is prevented by any obstacles from signing said documents in person, this Assignment shall be valid as a Power of Attorney for the Assignee to sign these documents on behalf of any such Assignor or, in the event of the death of the latter, the estate thereof.

This Assignment shall be governed by and construed under, and any dispute, controversy or claim related hereto shall be decided in accordance with, the laws of

SINGAPORE

without regard to the conflicts of laws provisions thereof. Any dispute, controversy or claim arising under, out of or relating to this Assignment and any subsequent amendments of this Assignment, including, without limitation, its formation, validity, binding effect, interpretation, performance, breach or termination, as well as non-contractual claims, shall be referred to and finally determined by arbitration in accordance with the WIPO Arbitration Rules. The arbitral tribunal shall consist of a sole arbitrator. The place of arbitration shall be in the country of the inventor's residence. The language to be used in the arbitral proceedings shall be English.

No modifications shall be made to this Assignment unless in writing and signed by the Assignor and Assignee. If any of the provisions of this Assignment shall be deemed invalid or unenforceable, then the entire Assignment shall be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligations of Assignee and Assignor shall be construed and enforced accordingly. Assignee's failure to exercise any option made available as a result hereof, shall not be construed as a waiver of such provisions, rights, or options, or affect the validity of this Assignment. Assignor covenants and agrees that it will not take any actions in violation of this Assignment.

Subsequent assignment from any of the assignors to the assignee purporting to convey the subject matter specified herein for a particular country, patent office, or jurisdiction shall not invalidate any provision of this assignment and any such subsequent assignment shall act as a further confirmation of the assignment herein.

IN WITNESS WHEREOF, ASSIGNOR has affixed its signature below.

By: _____

(Signature)

Typed or Printed Name: _____ PETER CHIA

Title: _____ CHIEF OPERATING OFFICER
Temasek Life Sciences Laboratory Ltd

WITNESS: (optional)

Signature: _____

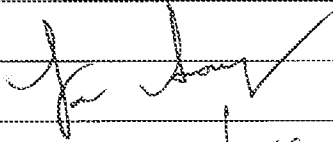
Date: _____

Typed or Printed Name: Yew Su Ling

Signature: _____

Date: _____

Typed or Printed Name: _____

ACCEPTED AND ACKNOWLEDGED FOR AND ON BEHALF OF THE ASSIGNEE:	
ASSIGNEE NAME: JOH (S) PTE LTD.	
SIGNATURE OF AUTHORIZED PERSON	
TYPED/PRINTED NAME OF AUTHORIZED PERSON	HONG JAN
TYPED TITLE:	chief scientific officer
DATE:	19/11/2012

NO LEGALIZATION REQUIRED. THIS DOCUMENT MAY BE NOTARIZED IF DESIRED FOR FURTHER PROOF OF EXECUTION.

APPENDIX A

To Assignment Between Temasek Life Sciences Laboratory Limited and JOil (S) Pte. Ltd.

1. Regeneration and Mass Propagation of *Jatropha curcas* Through Somatic Embryogenesis

US Provisional Patent Application No. 61/025,430, filed 1 February 2008;
International Application No. PCT/SG2009/000015, filed 7 January 2009;
ARIPO Patent Application No. AP/P/2010/005368, filed 7 January 2009;
AU Patent Application No. 2009209502, filed 7 January 2009;
BR Patent Application No. PI0906639-0, filed 7 January 2009;
CN Patent Application No. 200980103600.8, filed 7 January 2009;
EP Patent Application No. 09706985.0, filed 7 January 2009;
ID Patent Application No. W00201003018, filed 7 January 2009;
IL Patent Application No. 207288, filed 7 January 2009;
IN Patent Application No. 3032/KOLNP/2010, filed 7 January 2009;
PH Patent Application No. 1-2010-501759, filed 7 January 2009;
US Patent Application No. 12/863,698, filed 20 July 2010;
ZA Patent Application No. 2010/05705, filed 7 January 2009.

2. Somatic Embryogenesis of *Jatropha curcas* from Ovules

US Provisional Patent Application No. 61/082,896, filed 23 July 2008;
International Application No. PCT/SG2009/000221, filed 18 June 2009;
ARIPO Patent Application No. AP/P/2011/005587, filed 18 June 2009;
AU Patent Application No. 2009274653, filed 18 June 2009;
BR Patent Application No. PI0916292-5, filed 18 June 2009;
CN Patent Application No. 200980128793.2, filed 18 June 2009;
EP Patent Application No. 09800627.3, filed 18 June 2009;
ID Patent Application No. WO-00201100650, filed 18 June 2009;
IL Patent Application No. 210753, filed 18 June 2009;
IN Patent Application No. 195/KOLNP/2011, filed 23 January 2008;
PH Patent Application No. 1-2011-500158, filed 18 June 2009;
SG Patent Application No. 201100219-3, filed 18 June 2009;
US Patent Application No. 13/054,656, filed 18 January 2011;
ZA Patent Application No. 2011/01408, filed 18 June 2009.

3. Functional Analysis of *Jatropha curcas*

US Provisional Patent Application No. 61/143,484, filed 9 January 2009;
International Application No. PCT/SG2009/000481, filed 16 December 2009;
CN Patent Application No. 200980154211.8, filed 16 December 2009;
IN Patent Application No. 1967/KOLNP/2011, filed 10 May 2011;
SG Patent Application No. 201103699-3, filed 16 December 2009;
US Patent Application No. 13/141,752, filed 23 June 2011.

4. Genetic Transformation of *Jatropha curcas*

US Provisional Patent Application No. 61/122,454, filed 15 December 2008;
International Application No. PCT/SG2009/000479, filed 15 December 2009;
AR Patent Application No. P10 01 00914, filed 22 March 2010;
ARIPO Patent Application No. AP/P/2011/005743, filed 15 December 2009;
ARIPO Patent Application No. AP/P/2012/006249, filed 15 December 2009;
AU Patent Application No. 2009327556, filed 15 December 2009;
BR Patent Application No. PI0922922-1, filed 15 December 2009;
BR Patent Application No. BR122012009775-6, filed 15 December 2009;
CN Patent Application No. 200980150544.3, filed 15 December 2009;
CN Patent Application No. 201210138483.2, filed 15 December 2009;
EP Patent Application No. 09833762.9, filed 15 December 2009;
EP Patent Application No. 12173513.8, filed 15 December 2009;
ID Patent Application No. W00201102530, filed 15 December 2009;
IL Patent Application No. 213431, filed 15 December 2009;
IN Patent Application No. 2852/KOLNP/2011, filed 8 July 2011;
PH Patent Application No. 1-2011501096, filed 15 December 2009;
PH Patent Application No. 1-2012-500751, filed 15 December 2009;
TH Patent Application No. 1001000429, filed 17 March 2010;
US Patent Application No. 13/139, 592, filed 14 June 2011;
US Patent Application No. 13/541,142, filed 3 July 2012;
ZA Patent Application No. 2011/05218, filed 15 December 2009.