

Form PTO-1595 (Rev. 06/04)
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To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Maurice M. Moloney
Joseph Boothe
Richard Keon
Cory Nykiforuk
Gijs Van Rooijen

Execution Date(s) Oct. 1/04, Oct. 5/04, Oct. 7/04, Sept 29/04

Additional name of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Sembiosys Genetics Inc.

Internal Address: _____

Street Address: Bay #110, 2985-23rd Avenue N.E.,

City: Calgary

State: Alberta

Country: Canada Zip: T1Y 7L3

Additional Name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other

4. Application number(s) or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)
10/869,040

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Bereskin & Parr

Internal Address: _____

Street Address: 40 King Street West

City: Toronto

Prov: ON PC: M5H 3Y2 CANADA

Phone Number: (416) 364-7311

Fax Number: (416) 361-1398

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed (cheque No. _____)
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
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Authorized User Name _____

9. Signature :

M Gravelle
Signature

October 14, 2004
Date

Micheline Gravelle, Reg. # 40,261

Total number of pages including cover sheet, attachments, and documents

Name of Person Signing

B&P File # 9369-301

CH \$40.00 022096 10869040

ASSIGNMENT

WHEREAS we, (1) **MAURICE M. MOLONEY**, (2) **JOSEPH BOOTHE**, (3) **RICHARD KEON**, (4) **CORY NYKIFORUK**, (5) **GIJS VAN ROOIJEN**, whose full post office addresses are (1) 34 Edgebrook Cove N.W., Calgary, Alberta, T3A 5N5, Canada, (2) #302, 332 6th Avenue N.W., Calgary, Alberta, T2E 0L9, Canada, (3) 302, 602-2nd Avenue N.W., Calgary, Alberta, T2N 0E1, Canada, (4) 23 Harvest Rose Circle N.W., Calgary, Alberta, T1K 4M5, Canada, (5) 3223 Bearspaw Drive, N.W. Calgary, Alberta, T2L 1T1, Canada, respectively, have invented certain new and useful improvements in an invention entitled **METHODS FOR THE PRODUCTION OF INSULIN IN PLANTS** for which for an application was filed on June 17, 2004 under the Patent Cooperation Treaty as Serial No. PCT/CA2004/000896 and in the United States as serial no. 10/869,040;

AND WHEREAS **SEMBIOSYS GENETICS INC.**, whose full post office address is Bay #110, 2985 – 23rd Avenue N.E., Calgary, Alberta, T1Y 7L3, Canada, has acquired from us the whole right, title and interest for the United States of America and all other countries in and to the said invention and in and to any Letters Patent that may be obtained therefor, and in and to said application,

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of all of which is hereby acknowledged, we, (1) **MAURICE M. MOLONEY**, (2) **JOSEPH BOOTHE**, (3) **RICHARD KEON**, (4) **CORY NYKIFORUK**, (5) **GIJS VAN ROOIJEN**, by these presents confirm that we have sold, assigned and transferred and do hereby sell, assign and transfer unto the said **SEMBIOSYS GENETICS INC.**, the full and exclusive right to the said invention in the United States of America and all other countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor, and the entire right, title and interest in and to said application, and in and to any divisions, continuations, continuations-in-part and extensions of said application, together with the right to claim the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property based on said application for United States Letters Patent.

We agree that we will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for said invention and for additions and modifications thereto in any and all countries, and to vest title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the said **SEMBIOSYS GENETICS INC.**, the assignee of the entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

The undersigned hereby grants the firm of Bereskin & Parr (Box 401, 40 King Street West, Toronto, Ontario, Canada M5H 3Y2) 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 or other Patent Office for recordation of this document.

SIGNED this ^{1st} day of October, 2004, at CALGARY, ALBERTA

Tara Swartz
Witness

M. M. Moloney
MAURICE M. MOLONEY

SIGNED this ^{5th} day of OCTOBER, 2004, at CALGARY, ALBERTA

Tara Swartz
Witness

J. Boothe
JOSEPH BOOTHE

SIGNED this ^{7th} day of OCTOBER, 2004, at CALGARY,
ALBERTA

Tara Sivitz
Witness

Richard Keon
RICHARD KEON

SIGNED this ^{1st} day of October, 2004, at CALGARY,
ALBERTA

Tara Sivitz
Witness

Cory Nykiforuk
CORY NYKIFORUK

SIGNED this ^{29th} day of SEPTEMBER, 2004, at CALGARY,
ALBERTA

Tara Sivitz
Witness

Gijs van Rooijen
GIJS VAN ROOIJEN