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e attached original documents or copies thereof.

## 1. Name of conveying party(ies):

Wladyslaw A. Budzynski  
R. Rao Koganty  
Mark J. Krantz  
B. Michael Longnecker

7.19.02

## 2. Name and address of receiving party(ies):

BIOMIRA, INC.  
2011 - 94th Street  
Edmonton, Alberta, Canada T6N 1H1

Additional conveying party(ies) NO

## 3. Nature of conveyance:

ASSIGNMENT

Execution Date:

April 30, 2002; May 6, 2002; and May 6,  
2002 respectively

Additional name(s) &amp; address(es) attached? NO

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

If this is being filed together with a new application, the execution date of the application is:

A. Patent Application Number(s):

10/106,876

B. Patent Number(s):

PATENT\_NO

Additional numbers attached? NO

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

Michele M. Simkin  
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Washington Harbour  
3000 K Street, N.W., Suite 500  
Washington, D.C. 20007-5143

## 6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

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8. Deposit account number: 19-0741

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## 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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.*

Michele M. Simkin

Michele M. Simkin

July 19, 2002

Name of person signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

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**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

*name and* BIOMIRA, INC.  
*address of* 2011-94<sup>th</sup> Street  
*assignee* Edmonton, Alberta, Canada T6N 1H1

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to this invention relating to

*Title of*  
*Invention* VACCINE FOR MODULATING BETWEEN T1 AND T2 IMMUNE RESPONSES

as set forth in this United States Patent Application

*check one* ☐executed concurrently herewith  
☐executed on \_\_\_\_\_  
☒Serial No. \_\_\_\_\_ Filed: 03/27/2002

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

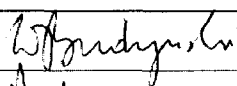
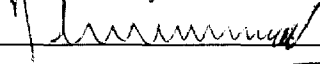

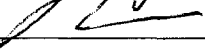


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Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its

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Each of the undersigned hereby grants the firm of **FOLEY & LARDNER** the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

<b>NAMES AND SIGNATURES OF INVENTORS</b>		
Name: Wladyslaw A. BUDZYNSKI	Signature: 	Date: 6 May '02
Name: R. Rao KOGANTY	Signature: 	Date: 3 May '02
Name: Mark J. KRANTZ	Signature: 	Date: 6 May '02
Name: B. Michael LONGNECKER	Signature: 	Date: 30 April 2002
<b>NAMES AND SIGNATURES OF WITNESSES</b>		
Name: CAROL LADRET	Signature: 	Date: May 6-02
Name: Marie Hotman	Signature: 	Date: May 6-02

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