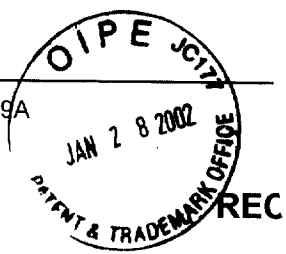


2082.1



01-31-2002



FORM PTO-1619A

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

101976290  
**COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

New

Resubmission (Non-Recordation)  
Document ID# \_\_\_\_\_

Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

Corrective Document  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

**Conveyance Type**

Assignment       Security Agreement

License             Change of Name

Merger               Other \_\_\_\_\_

**Conveying Party(ies)**       Mark if additional names of conveying parties attached

Name (line 1)	OLIVERA, Baldomero M.	Execution Date
Name (line 2)		11-20-2001
<i>Second Party</i>		
Name (line 1)	McINTOSH, J. Michael	Execution Date
Name (line 2)		11-20-2001
<i>Third Party</i>		
Name (line 1)	WATKINS, Maren	Execution Date
Name (line 2)		11-27-2001
<i>Fourth Party</i>		
Name (line 1)	CRUZ, Lourdes J.	Execution Date
Name (line 2)		11-21-2001
<i>Fifth Party</i>		
Name (line 1)	SHON, Ki-Joon	Execution Date
Name (line 2)		11-21-2001
<i>Sixth Party</i>		
Name (line 1)	JACOBSEN, Richard B.	Execution Date
Name (line 2)		11-24-2001

**Receiving Party**       Mark if additional names of receiving parties attached

Name (line 1)	UNIVERSITY OF UTAH	<input type="checkbox"/> If document to be recorded
Name (line 2)	(a Utah non-profit institution)	is an assignment and the
Address (line 1)	615 Arapeen Drive	receiving party is not
Address (line 2)	Suite 110	domiciled in the U.S.,
Address (line 3)	Salt Lake City, Utah 84108	an appointment of domestic
		representative is attached.

**Domestic Representative Name and Address**      Enter for the First Receiving Party only.

Name:

Address (line 1): Rothwell, Figg, Ernst & Manbeck

Address (line 2): 555 13th St., N.W.

Address (line 3): Suite 701-East

Address (line 4): Washington, D.C. 20004

**FOR OFFICE USE ONLY**

**Correspondent Name and Address**

Area Code and Telephone Number: 202/783-6040

Name: IHNEN, Jeffrey L., Reg. No. 28,957  
 Address (line 1): Rothwell, Figg, Ernst & Manbeck  
 Address (line 2): 555 13th St., N.W.  
 Address (line 3): Suite 701-East  
 Address (line 4): Washington, D.C. 20004

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments

# four (4)

**Application Number(s) or Patent Number(s)**

[ ] Mark if additional numbers attached

*Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property)*

Patent Application Number(s):

Patent Number(s):

09/910,009

If this document is being filed together with a new Patent Application, enter the date of the patent application was signed by the first named executing inventor.**Patent Cooperation Treaty (PCT)**

Enter PCT application Number  
only if a U.S. Application Number  
 has not been assigned

PCT

**Number of Properties**

Enter the total number of properties involved. # one (1)

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:  Enclosed  Deposit Account  Credit Card

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: 02-2135

Authorization to charge additional fees: Yes  No **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. Charges to deposit account are authorized, as indicated herein.*

Jeffrey L. Ihnen

Name of Person Signing

Registration No. 28,957

Docket No. 2314-242


  
Signature

28 January 2002

Date

# ASSIGNMENT

**WHEREAS**, WE, Baldomero M. OLIVERA, a citizen of the Philippines, residing at 1370 Bryan Avenue, Salt Lake City, Utah 84108; J. Michael McINTOSH, a citizen of the United States of America, residing at 1151 South 2000 East, Salt Lake City, Utah 84108; Maren WATKINS, a citizen of the United States of America, residing at 845 East Garfield Avenue, Salt Lake City, Utah 84105; Lourdes J. CRUZ, a citizen of the Philippines, residing at 3993 Dungal Street, Sta. Mesa, Manila, Philippines; Ki-Joon SHON, a citizen of the United States of America, residing at 3136 Huntington Road, Shaker Heights, Ohio 44120, and Richard B. JACOBSEN, a citizen of the United States of America, residing at 22-1/2 Elizabeth Street, San Francisco, California 94110 (hereinafter "Assignors") are coinventors, along with coinventors James E. GARRETT, Robert M. JONES, G. Edward CARTIER, Gregory S. SHEN, and John D. WAGSTAFF, of an invention entitled: MU-CONOPEPTIDES, for which an application for patent was filed on 23 July 2001 under serial number 09/910,009; and

**WHEREAS**, the UNIVERSITY OF UTAH, a non-profit institution duly organized under the laws of the State of Utah, with a place of business at 615 Arapeen Drive, Suite 110, Salt Lake City, Utah 84108 (hereinafter "Assignee") is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application;

**NOW, THEREFORE**, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we the said Assignors have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Assignee, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

**AND WE HEREBY** covenant that we have full right to convey our entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

**AND WE HEREBY FURTHER** covenant and agree that we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 11/20/01 \_\_\_\_\_ L.S.  
Baldomero M. OLIVERA

Date 11/20/01 \_\_\_\_\_ L.S.  
J. Michael McINTOSH

Date \_\_\_\_\_ L.S.  
Maren WATKINS

Date Nov 21, 2001 \_\_\_\_\_ L.S.  
Lourdes J. CRUZ

Date \_\_\_\_\_ L.S.  
Ki-Joon SHON

Date 11/24/01 \_\_\_\_\_ L.S.  
Richard B. JACOBSEN

IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date \_\_\_\_\_ L.S.  
Baldomero M. OLIVERA

Date \_\_\_\_\_ L.S.  
J. Michael McINTOSH

Date 27 November, 2001 L.S.  
*Maren Watkins*  
Maren WATKINS

Date \_\_\_\_\_ L.S.  
Lourdes J. CRUZ

Date \_\_\_\_\_ L.S.  
Ki-Joon SHON

Date \_\_\_\_\_ L.S.  
Richard B. JACOBSEN

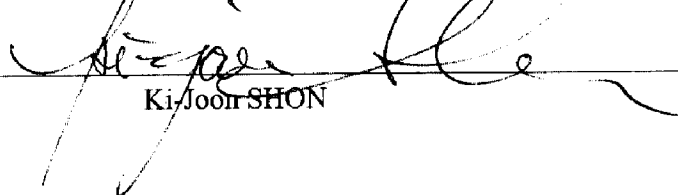
IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date \_\_\_\_\_ L.S.  
Baldomero M. OLIVERA

Date \_\_\_\_\_ L.S.  
J. Michael McINTOSH

Date \_\_\_\_\_ L.S.  
Maren WATKINS

Date \_\_\_\_\_ L.S.  
Lourdes J. CRUZ

Date 11/21/01 \_\_\_\_\_ L.S.  
  
Ki-Joon SHON

Date \_\_\_\_\_ L.S.  
Richard B. JACOBSEN