FORM PTO-159 U.S. DEPARTMENT OF COMMERCE 12-24-1998 (Rev. 6-93) Patent and Trademark Office RECOI 100929262 Attorney Docket No.: 36870-5021-06 To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. ATTN: BOX ASSIGNMENT 1. Name of conveying party: MRS 12-16-98 2. Name and address of receiving party: U. Prasad KARI Name: Magainin Pharmaceuticals, Inc. Taffy J. WILLIAMS Michael MCLANE Internal Address: Street Address: 5110 Campus Drive Additional names of conveying parties attached? Yes X No City: Plymouth Meeting 3. Nature of conveyance: State: PA Zip: 19462 | Assignment ☐ Merger Security Agreement Change of Name Additional names & addresses attached? Other:____ Yes X No Execution Date: November 23, 1998 and December 5, 1998 4. Application number or patent number: If this document is being filed together with a new application the execution date of the application is: Patent Application No.: B. Title of the Invention: BIOLOGICALLY ACTIVE PEPTIDES WITH REDUCED TOXICITY IN ANIMALS AND A METHOD FOR PREPARING THE SAME 09/115,737 Additional numbers attached: Yes No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: Name: Mr. Michael S. Tuscan 7. Total fee (37 C.F.R §3.41): _\$40.00 Enclosed **Internal Address:** Morgan, Lewis & Bockius LLP Authorized to be charged to deposit account 50-0310 **Street Address:** 1800 M Street, N.W. 8. Deposit account number: 50-0310 Attach duplicate of page if paying by deposit account City: Washington State: D.C. **Zip:** 20036 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. December 11, 1998 Name of Person Signing Total number of pages including coversheet, attachments and documents: 5 W

PATENT

REEL: 9654 FRAME: 0435

FC::581

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

BIOLOGICALLY ACTIVE PEPTIDES WITH REDUCED TOXICITY IN ANIMALS AND A METHOD FOR PREPARING THE SAME

for which I/WE executed an application for United States Letters Patent concurrently herewith; or on ______; or filed an application for United States Letters Patent on July 15, 1998, (Serial No. 09/115,737); and

WHEREAS, Magainin Pharmaceuticals, Inc., a corporation of Pennsylvania, whose post office address is 5110 Campus Drive, Plymouth Meeting, Pennsylvania 19462, U.S.A. (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, continuation-in-part, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 09/115,737, filed July 15, 1998) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

IN TESTINION I WITEREOF, I WE have refeal to set our hand(s).					
County of Wartgameny	Notarial Seal Barbara I. Lehman, Notary Pt Whitemarsh Twp., Montgomery (
State of RNASIVINIA	My Commission Expires July 9,	2001			
Member, Pernisyivania Association of Motaries					
Subscribed and sworn to before me this		2310 McArthur Drive Hatfield, PA 19440, U.S.A. Address			
of <u>neverber</u> , 19 <u>98</u> .					
Barbara L. Sehver		16MPrusad			
<u>Barbara</u> , there		First Assignor's Signature			
Notary Public					
Name of additional inve	ntors attached?	Yes No			

MORGAN, LEWIS & BOCKIUS LLP

PATENT

REEL: 9654 FRAME: 0436

ATTORNEY DOCKET NO.: 44812-5003 SOLE/JOINT INVENTION ASSIGNMENT (Worldwide Rights) Page 2

County of		Taffy J. WILLIAMS Full Name of Second Assignor
State of		102 Calvum Tamasa Lamadala DA 10446 U.S.A
Subscribed and sworn to before me this day of, 19	SS.	103 Colwyn Terrace, Lansdale, PA 19446, U.S.A. Address
Notary Public		Second Assignor's Signature
County of Wart games 4		Michael MCLANE
State of Pennsyllania		Full Name of Third Assignor
Subscribed and sworn to before me this 23 day of	SS.	64 Ramsgate Court, Blue Bell, PA 19462, U.S.A.
bailand Thur	55.	Mist The Buc
Notary Public		Third Assignor's Signature
Name of additional inventors attached?		Yes No

Notarial Seal Barbara L. Lehman, Notary Public Whitemarsh Twp., Montgomery County My Commission Expires July 9, 2001

Member, Pennsylvania Association of Notaries

REEL: 9654 FRAME: 0437

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

BIOLOGICALLY ACTIVE PEPTIDES WITH REDUCED TOXICITY IN ANIMALS AND A METHOD FOR PREPARING THE SAME

for which I/WE executed an application for United States Letters Patent concurrently herewith; or on ______; or filed an application for United States Letters Patent on July 15, 1998, (Serial No. 09/115,737); and

WHEREAS, Magainin Pharmaceuticals, Inc., a corporation of Pennsylvania, whose post office address is 5110 Campus Drive, Plymouth Meeting, Pennsylvania 19462, U.S.A. (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, continuation-in-part, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 09/115,737, filed July 15, 1998) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

State of RNNEY Warra	Notarial Seal Barbara L. Lehman, Notary Public Whitemarsh Twp. Montgomery County My Commission Expires July 9, 2001	U. Prasad KARI Full Name of Sole or First Assignor
Subscribed and sworn to before me this of November, 1998. Bulling L. Behann. Notary Public	Member. Pennsylvania Association of Notaries 2310 N 23 day SS.	Address First Assignor's Signature
Name of additional inve	ntors attached? Xes	□ No

MORGAN, LEWIS & BOCKIUS LLP

PATENT

REEL: 9654 FRAME: 0438

Notarial Seal
David W. Bentley, Notary Public
New Britain Twp., Bucks County
My Commission Expires March 14, 2002

Member, Pennsylvania Association of Notaries

ATTORNEY DOCKET NO.: 44812-5003 SOLE/JOINT INVENTION ASSIGNMENT (Worldwide Rights) Page 2

State of BNUSYLVANIA		Taffy J. WILLIAMS Full Name of Second Assignor
Subscribed and sworn to before me this 7 day of 19 7 day. Notary Public	SS.	103 Colwyn Terrace, Lansdale, PA 19446, U.S.A. Address Second Assignor's Signature
County of	SS.	Michael MCLANE Full Name of Third Assignor 64 Ramsgate Court, Blue Bell, PA 19462, U.S.A. Address Address Third Assignor's Signature
Name of additional inventors attached?] Yes 🛛 No

Notarial Seal
Barbara L. Lehman, Notary Public
Whitemarsh Twp., Montgomery County
My Commission Expires July 9, 2001

Member, Pennsylvania Association of Notaries

WA01A/214213.1