


Client Code: MANNK.052A

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To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>1. Liping Liu 2. Adrian Bot 3. David C. Diamond</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: MANNKIND CORPORATION Internal Address: Street Address: 28903 North Avenue Paine City: Valencia State: CA ZIP: 91354</p> <p>Additional name(s) of receiving party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures) (1) August 17, 2006; (2) August 18, 2006; and (3) August 18, 2006.</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p><input checked="" type="checkbox"/> Patent Application No.: 11/455,278 Filing Date: June 16, 2006</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p>Customer No. 20,995 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: MANNK.052A</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40 <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410 Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>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.</p> <p><u>Dale C. Hunt</u> Name of Person Signing</p> <p> Signature</p> <p><u>21 Sept 2006</u> Date</p> <p>41,857 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 5</p>	

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

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ASSIGNMENT

WHEREAS, We, Liping Liu, a Canadian citizen, residing at 9318 Witch Hazel Way, Manassas, VA 20110; Adrian Bot, a Romanian citizen, residing at 24406 West Gable Ranch Lane, Valencia, CA 91354; and David C. Diamond, an American citizen, residing at 23135 Schoenborn Street, West Hills, CA 91304; have invented certain new and useful improvements in a PRAME PEPTIDE ANALOGUES for which we have filed an application for Letters Patent in the United States, Application No. 11/455,278, Filed on June 16, 2006;

AND WHEREAS, Mannkind Corporation (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 28903 North Avenue Paine, Valencia, California 91355, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we 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, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, 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 rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; 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 improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, his successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements; 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 improvements in all countries.

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 17th day of August, 2006



Liping Liu

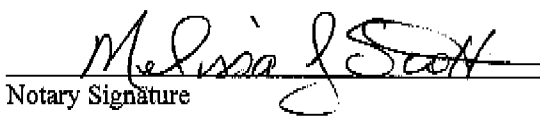
STATE OF Virginia }
COUNTY OF Ar. William } ss.

Melissa J. Scott

On 8-17-06, before me, Liping Liu, personally appeared Liping Liu personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that she executed the same in her authorized capacity(ies), and that by her signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Notary Signature

My Comm. Exps. April 30, 2007

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 18th day of August, 2006

Adrian Bot
Adrian Bot

STATE OF California }
COUNTY OF Los Angeles } ss.

On 8.18.06, before me, N. Sparks, personally appeared Adrian Bot personally known to me (~~as proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) ~~is/are~~ subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

[Signature]
Notary Signature



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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 18th day of August, 2006

David C. Diamond
David C. Diamond

STATE OF California }
COUNTY OF Los Angeles } ss.

On 8.18.06, before me, N. Sparks, personally appeared David C. Diamond personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



2792076veey
073106

N. Sparks
Notary Signature