

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 70%; padding: 5px;">Name</th> <th style="width: 30%; padding: 5px;">Execution Date</th> </tr> </thead> <tbody> <tr><td style="padding: 5px;">Sung Kee KIM</td><td style="padding: 5px;">04/23/2003</td></tr> <tr><td style="padding: 5px;">Hyunil LEE</td><td style="padding: 5px;">04/23/2003</td></tr> <tr><td style="padding: 5px;">Jong Chan LIM</td><td style="padding: 5px;">04/23/2003</td></tr> <tr><td style="padding: 5px;">Hoon CHOI</td><td style="padding: 5px;">04/23/2003</td></tr> <tr><td style="padding: 5px;">Jae Hoon JEON</td><td style="padding: 5px;">04/23/2003</td></tr> <tr><td style="padding: 5px;">Sang Youl AHN</td><td style="padding: 5px;">04/23/2003</td></tr> <tr><td style="padding: 5px;">Sung Hee LEE</td><td style="padding: 5px;">04/23/2003</td></tr> <tr><td style="padding: 5px;">Won Jun YOON</td><td style="padding: 5px;">04/23/2003</td></tr> </tbody> </table>		Name	Execution Date	Sung Kee KIM	04/23/2003	Hyunil LEE	04/23/2003	Jong Chan LIM	04/23/2003	Hoon CHOI	04/23/2003	Jae Hoon JEON	04/23/2003	Sang Youl AHN	04/23/2003	Sung Hee LEE	04/23/2003	Won Jun YOON	04/23/2003
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RECEIVING PARTY DATA <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr><td style="width: 20%; padding: 5px;">Name:</td><td style="padding: 5px;">PANAGENE, INC.</td></tr> <tr><td style="padding: 5px;">Street Address:</td><td style="padding: 5px;">100 Sinsung-Dong, Yusung-Gu,</td></tr> <tr><td style="padding: 5px;">City:</td><td style="padding: 5px;">Daejeon</td></tr> <tr><td style="padding: 5px;">State/Country:</td><td style="padding: 5px;">REPUBLIC OF KOREA</td></tr> <tr><td style="padding: 5px;">Postal Code:</td><td style="padding: 5px;">305-345</td></tr> </table>		Name:	PANAGENE, INC.	Street Address:	100 Sinsung-Dong, Yusung-Gu,	City:	Daejeon	State/Country:	REPUBLIC OF KOREA	Postal Code:	305-345								
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PROPERTY NUMBERS Total: 1 <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 30%; padding: 5px;">Property Type</th> <th style="padding: 5px;">Number</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Application Number:</td> <td style="padding: 5px;">11183025</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11183025														
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CORRESPONDENCE DATA <p style="margin-top: 10px;">Fax Number: (818)249-8277 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 818-249-8177 Email: jkim@jhkiplaw.com Correspondent Name: Joseph Hyosuk Kim Address Line 1: P.O. Box 1078 Address Line 2: JHK Law Address Line 4: La Canada, CALIFORNIA 91012-1078</p>																			

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PATENT
REEL: 020779 FRAME: 0231

ATTORNEY DOCKET NUMBER:

12030-03DIV-5

NAME OF SUBMITTER:

Claire Rhee

Total Attachments: 10

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ASSIGNMENT

WHEREAS, WE, Sung Kee KIM, Hyunil LEE, Jong Chan LIM, Hoon CHOI, Jae Hoon JEON, Sang Youl AHN, Sung Hee LEE, and Won Jun YOON, the undersigned inventors and the ASSIGNORS herein, have invented a PNA MONOMER AND PRECURSOR, for which we are about to file application for Letters Patent of the United States, which application has been executed by each of us concurrently herewith and of which inventions and improvements we are the joint owners; and

WHEREAS, PANAGENE, INC. (ASSIGNEE) is a corporation organized and existing under the laws of Korea, having a place of business at 100 Sinsung-Dong, Yusung-Gu, Daejeon, 305-345, Korea, ASSIGNEE desires to acquire the entire right, title and interest in and to the inventions, applications and letters patent to be granted and issued for the inventions and applications;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) by the ASSIGNEE to each of us paid, and other valuable consideration, the receipt and legal sufficiency of all of which is hereby acknowledged, we, the said ASSIGNORS, have sold and do hereby sell, assign, transfer and set over unto said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said inventions and all improvements thereon, in and to said application for Letters Patent thereon, in and to applications pertaining to or based upon said inventions and applications, including divisional and continuing applications and continuations-in-part, and in and to any and all Letters Patent which may be granted and issued on said inventions and applications, or any of them, not only for, to and in the United States of America, its territories and possessions, but for, to and in all countries foreign thereto, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment.

And for the above-named considerations, we do hereby agree that we will, at the request of said ASSIGNEE, execute any and all applications for Letters Patent for said inventions and any and all other papers and documents and do all other and further lawful acts that said ASSIGNEE may deem necessary or desirable to obtain Letters Patent on said inventions, to secure the grant of such Letters Patent and to perfect and vest in the ASSIGNEE the entire right, title and interest in the inventions, applications and Letters Patent.

And for the above-named considerations, we do hereby authorize and empower the ASSIGNEE, its successors and assigns, to apply for and obtain, in its or their own names, Letters Patent for the said inventions before competent International Authorities and in any and all countries foreign to the United States in which applications for Letters Patent can be so made or Letters Patent so obtained.

Docket No. 12030-03USA

BY ASSIGNOR

Dated: April 23, 2003

By: Sung Kee Kim
Kim, Sung Kee

WITNESSED BY:

Date: _____

Address: _____

Date: _____

Address: _____

Docket No. 12030-03USA

BY ASSIGNOR

Dated: April 23, 2003

By: Hyunil Lee
Lee, Hyunil

WITNESSED BY:

Date: _____

Address: _____

Date: _____

Address: _____

Docket No. 12030-03USA

BY ASSIGNOR

Dated: April, 23, 2007

By: Lim Jongchan
Lim, Jong Chan

WITNESSED BY:

Date: _____

Address: _____

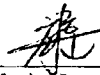
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Docket No. 12030-03USA

BY ASSIGNOR

Dated: 23-Apr-03

By: 
Choi, Hoon

WITNESSED BY:

Date: _____

Address: _____

Date: _____

Address: _____

Docket No. 12030-03USA

BY ASSIGNOR

Dated: April 23, 2003

By: 

Jeon, Jae Hoon

WITNESSED BY:

Date: _____

Address: _____

Date: _____

Address: _____

Docket No. 12030-03USA

BY ASSIGNOR

Dated: Apr. 23, 2003

By: Ahn Sangyoul
Ahn, Sang Youl

WITNESSED BY:

Date: _____

Address: _____

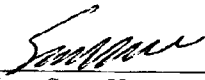
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Docket No. 12030-03USA

BY ASSIGNOR

Dated: April 23, 2003

By: 
Lee, Sung Hee

WITNESSED BY:

Date: _____

Address: _____

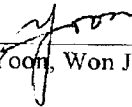
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Docket No. 12030-03USA

BY ASSIGNOR

Dated: April 23, 2003

By: 
Yoon, Won Jun

WITNESSED BY:

Date: _____

Address: _____

Date: _____

Address: _____

Docket No. 12030-03USA

BY ASSIGNEE

Dated: April 23, 2003

By: Sung Kee Kim
Name: Sung Kee Kim
As authorized representative of
PANAGENE, INC.

WITNESSED BY:

Date: _____

Address: _____

Date: _____

Address: _____
