

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GOON HO JOE	06/15/2015
YONG TAE KIM	06/16/2015
SUNG KEE KIM	06/16/2015
JIN WOO KIM	06/15/2015
JAЕ JIN CHOI	06/15/2015
IN SEONG WO	06/15/2015
JI HYE YOON	06/16/2015
SU NAM KIM	06/15/2015
JUN HO PARK	06/16/2015
RECEIVING PARTY DATA	
Name:	PANAGENE INC.
Street Address:	(TAMNIP-DONG) 54, TECHNO 10-RO
Internal Address:	YUSEONG-GU
City:	DAEJEON
State/Country:	KOREA, REPUBLIC OF
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14648909
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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ATTORNEY DOCKET NUMBER:	033397.00015 (PO)
NAME OF SUBMITTER:	PEGGY O'CONNOR

SIGNATURE:	/PEGGY OCONNOR/
DATE SIGNED:	06/16/2015
Total Attachments: 3 source=033397-00015-Joint-Assignment#page1.tif source=033397-00015-Joint-Assignment#page2.tif source=033397-00015-Joint-Assignment#page3.tif	

ASSIGNMENT

WHEREAS, WE

1. **Goon Ho JOE**, a citizen of **Republic of Korea**, having a mailing address of **Sindonga-familie Apt. 515-705, 42, Baeul 2-ro, Yuseong-gu, Daejeon 305-745, Republic of Korea**, and a residency of **Daejeon, Korea**,
2. **Yong Tae KIM**, a citizen of **Republic of Korea**, having a mailing address of **Wobang-Usell Apt. 106-1302, 17, Sanmak-gil, Jochiwon-eup, Sejong 339-764, Republic of Korea**, and a residency of **Sejong, Korea**,
3. **Sung Kee KIM**, a citizen of **Republic of Korea**, having a mailing address of **Kyeongnam-honorsville 1-danji 103-602, 30, Yongsan 2-ro, Yuseong-gu, Daejeon 305-500, Republic of Korea**, and a residency of **Daejeon, Korea**,
4. **Jin Woo KIM**, a citizen of **Republic of Korea**, having a mailing address of **Hanulbaram-Humansia Apt. 108-304, 15, Waryong-ro 136beon-gil, Yuseong-gu, Daejeon 305-722, Republic of Korea**, and a residency of **Daejeon, Korea**,
5. **Jae Jin CHOI**, a citizen of **Republic of Korea**, having a mailing address of **Daedeok Techno Valley 1011-604, 32, Techno jungang-ro, Yuseong-gu, Daejeon 305-509, Republic of Korea**, and a residency of **Daejeon, Korea**,
6. **In Seong WO**, a citizen of **Republic of Korea**, having a mailing address of **Hanulbaram-Humansia Apt. 102-1902 15, Waryong-ro 136beon-gil, Yuseong-gu, Daejeon 305-722, Republic of Korea**, and a residency of **Daejeon, Korea**,
7. **Ji Hye YOON**, a citizen of **Republic of Korea**, having a mailing address of **Anseong-sinsohyun-koaroo Apt. 108-1102, 73-9, Nampa-ro, Anseong-si, Gyeonggi-do 456-783, Republic of Korea**, and a residency of **Gyeonggi-do, Korea**,
8. **Su Nam KIM**, a citizen of **Republic of Korea**, having a mailing address of **202, 8-17, Gwandeul 1-gil, Yuseong-gu, Daejeon 305-509, Republic of Korea**, and a residency of **Daejeon, Korea**,
9. **Jun Ho PARK**, a citizen of **Republic of Korea**, having a mailing address of **Central-xi Apt. 205-1102, 100, Chungmu-ro 107beon-gil, Jung-gu, Daejeon 301-804 Republic of Korea**, and a residency of **Daejeon, Korea**,

have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to **METHOD FOR THE DETECTION OF MULTIPLE TARGET NUCLEIC ACIDS USING CLAMPING PROBES AND DETECTION PROBES** (collectively the “**INVENTIONS**”) for which WE have executed and/or may execute one or more patent applications therefor; and

WHEREAS, **Panagene Inc.** (hereinafter “**ASSIGNEE**”), a corporation, having a place of business at **(Tamnip-dong) 54, Techno 10-ro, Yuseong-gu, Daejeon 305-510, Republic of Korea**, desires to acquire or otherwise obtain the entire right, title, and interest in and to said

INVENTIONS, including all inventions related thereto or thereof, all patent applications therefor, and all patents that have granted or may be granted hereafter thereon, including but not limited to those identified below.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, WE do hereby acknowledge that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, the entire right, title, and interest throughout the world in and to said INVENTIONS, including all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in the United States, including but not limited to U.S. Application No(s) 14/648,909 filed June 1, 2015, and all provisional applications relating thereto, (and do hereby authorize ASSIGNEE and its representative to hereafter add herein such application number(s) and/or filing date(s) when known), and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents of the United States which may have granted or may be granted hereafter thereon and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon in the United States;

AND WE further do acknowledge and agree that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, all rights of priority under International Conventions, Treaties, or Agreements, and the entire right, title, and interest throughout the world in said INVENTIONS, including all inventions related thereto or thereof, and all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in any foreign country, countries, or treaty/union organizations, and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, patent of addition applications, confirmation applications, validation applications, utility model applications, and design applications thereof, and all issued patents which may have granted or may be granted hereafter for said INVENTIONS in any country or countries foreign to the United States, and all reissues, renewals, reexaminations, and extensions thereof;

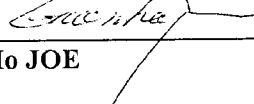

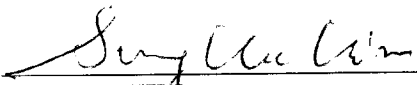
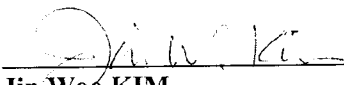
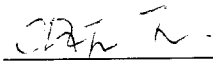
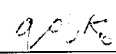
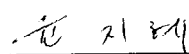

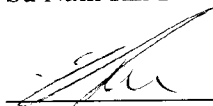
AND WE DO HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which I may be entitled, or that I may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

AND WE HEREBY covenant and agree that we will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us

respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

AND WE HEREBY covenant that we will not execute any writing or do any act whatsoever conflicting with these presents.

Done at _____, on <u>2015. 6. 15</u>	
LOCATION DATE	Goon Ho JOE
Done at _____, on <u>2015. 6. 16</u>	
LOCATION DATE	Yong Tae KIM
Done at _____, on <u>June 16, 2015</u>	
LOCATION DATE	Sung Kee KIM
Done at _____, on <u>2015. 6. 15</u>	
LOCATION DATE	Jin Woo KIM
Done at _____, on <u>2015. 6. 15</u>	
LOCATION DATE	Jae Jin CHOI
Done at _____, on <u>2015. 6. 15</u>	
LOCATION DATE	In Seong WO
Done at _____, on <u>2015. 6. 16</u>	
LOCATION DATE	Ji Hye YOON
Done at _____, on <u>2015. 6. 15</u>	
LOCATION DATE	Su Nam KIM
Done at _____, on <u>2015. 6. 16</u>	
LOCATION DATE	Jun Ho PARK