

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Young-rok KIM	01/04/2007
Jun-hong MIN	01/04/2007
In-ho LEE	01/04/2007
Young-sun LEE	01/04/2007
Chang-eun YOO	01/04/2007
Ki-woong HAN	01/04/2007
RECEIVING PARTY DATA	
Name:	SAMSUNG ELECTRONICS CO., LTD
Street Address:	416, Maetan-dong, Yeongtong-gu
City:	Suwon-si, Gyeonggi-do
State/Country:	KOREA, REPUBLIC OF
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11620961
CORRESPONDENCE DATA	
Fax Number:	(860)286-0115
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	8602862929
Email:	dbobo@cantorcolburn.com
Correspondent Name:	Cantor Colburn LLP
Address Line 1:	55 Griffin Rd. South
Address Line 4:	Bloomfield, CONNECTICUT 06002
ATTORNEY DOCKET NUMBER:	YPL-0386
NAME OF SUBMITTER:	Dana A. Gronbeck

CH \$40.00 11620961

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REEL: 018724 FRAME: 0434

Total Attachments: 2

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ASSIGNMENT

WHEREAS We, Young-rok KIM of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea; Jun-hong MIN of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea; In-ho LEE of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea; Young-sun LEE of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea; Chang-eun YOO of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea; and Ki-woong HAN of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea, (hereinafter referred to as "ASSIGNORS"); have invented certain new and useful improvements in:

METHOD AND APPARATUS FOR CONCENTRATING AND AMPLIFYING NUCLEIC ACID IN SINGLE MICRO CHAMBER

which claims priority to Korean Application No. 10-2006-0045812, filed on May 22, 2006, and for which We are about to file an application for Letters Patent of the United States;

AND WHEREAS, Samsung Electronics Co., Ltd., (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of the Country of Korea, having a place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and Letters Patent to be obtained therefor;

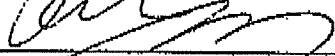

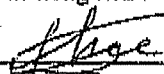
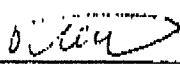
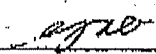
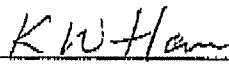
NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, the receipt of which is hereby acknowledged, We, the said ASSIGNORS have assigned and transferred, and hereby assign and transfer unto the said ASSIGNEE, the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and We do hereby authorize and request the Commissioner of Patents to issue said

Page 1 of 2

YPL-0386

Letters Patent on said application, and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to the said ASSIGNEE, an assignee of the entire right, title and interest in and to the same, for the sole use and behoof of ASSIGNEE, its successors and assigns; and We do hereby agree that the said ASSIGNEE, may apply for foreign Letters Patent on said invention and that We will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by the said ASSIGNEE, its successors or assigns, and that We will, at the cost and expense of the said ASSIGNEE fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: <u>2007.01.04</u>	 _____ Young-fok KIM L.S.
Date: <u>2007.01.04</u>	 _____ Jun-hong MDN L.S.
Date: <u>2007.01.04</u>	 _____ In-ho LEE L.S.
Date: <u>2007.01.04</u>	 _____ Young-sun LEE L.S.
Date: <u>2007.01.04</u>	 _____ Chang-eun YOO L.S.
Date: <u>2007.01.04</u>	 _____ Ki-woong HAN L.S.