

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
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<table border="1"> <tr> <td>Name:</td> <td>Samsung Electronics Co., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>129, Samsung-ro, Yeongtong-gu, Gyeonggi-do</td> </tr> <tr> <td>City:</td> <td>Suwon-Si</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>443-742</td> </tr> </table>		Name:	Samsung Electronics Co., LTD.	Street Address:	129, Samsung-ro, Yeongtong-gu, Gyeonggi-do	City:	Suwon-Si	State/Country:	KOREA, REPUBLIC OF	Postal Code:	443-742						
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Application Number:	13492327																
CORRESPONDENCE DATA																	
Fax Number:	(860)286-0115																
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OP \$40.00 13492327

NAME OF SUBMITTER:

David E. Rodrigues

Total Attachments: 3

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ASSIGNMENT

WHEREAS WE,

Eun Joo JANG of 109/801 Sejong Apartment Jeonmin-Dong, Yuseong-gu, Daejeon-Si, 305-728, Republic of Korea;

Shin Ae JUN of 206/603 Jugong 2-Danji Apartment, Gumi-dong, Bundang-Gu, Gyeonggi-do, Seongnam-Si, 463-740, Republic of Korea;

Sung Hun LEE of 304, Sanggal-Ri 478, Giheung-Eup, Gyeonggi-do, Yongin-Si, 449-905, Republic of Korea;

Jong Jin PARK of 309/703 Sambo Apartment, Inchang-Dong 665-1, Gyeonggi-do, Guri-Si, 471-734, Republic of Korea;

Seong Jae CHOI of 102/1408 Seongwon Apartment, Mok 3-dong, Yangcheon-gu, Seoul, 158-791, Republic of Korea; and

Tae Kyung AHN of Da/105 Daeil Villa, 226-4 Yongdap-Dong, Seongdong-Gu, Seoul, 133-847, Republic of Korea

Hyun A KANG of Lotte Apartment 946-1806, Byeokjeokgol, Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-725 Republic of Korea

(hereinafter collectively referred to as the "ASSIGNORS"), have invented certain new and useful improvements in :

MICROFLUIDIC CHANNEL FOR REMOVING BUBBLES IN FLUID

(hereinafter referred to as the "INVENTION") which claims priority to **Korean Application No. 2004-38391**, filed on **May 28, 2004**; and the benefit of U.S. Application No. 13/475,610 filed on May 18, 2012, which is a divisional application of U.S. Application No. 12/432,180 filed of April 29, 2009, which is a divisional application of 11/092,461 filed December 3, 2004 for which we are about to file a Continuation-in-part application for a United States Patent (hereinafter collectively referred to as the "APPLICATIONS");


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 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea, is desirous of acquiring an interest in any and all countries, in and to the INVENTION, the APPLICATIONS, and any and all Patents 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 ASSIGNORS, have assigned and transferred, and hereby assign and transfer unto ASSIGNEE, the entire right, title and interest in and to the INVENTION, the APPLICATIONS, and any and all Patents that may be issued therefrom, in any and all countries, including any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to ASSIGNEE; and we do hereby agree that we will execute all papers necessary in connection with any and all patent applications when called upon to do so by ASSIGNEE, its successors or assigns, and that we will, at the cost and expense of ASSIGNEE, fully assist and cooperate in all matters in connection with any and all patent applications and Patents issuing thereon.

The undersigned declare that all statements made herein of his 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 APPLICATIONS or any Patents issuing thereon.

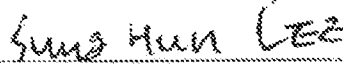
Date: 2012. 06. 13


Eun Joo JANG L.S.

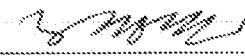
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Shin Ae JUN L.S.

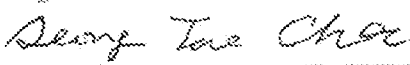
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Seong Jae CHOI L.S.

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Tae Kyung Ahn LS.
Tae Kyung AHN

Date: 2012.06.13

Hyun A KANG LS.
Hyun A KANG