

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Samsung Electro-Mechanics Co., Ltd. | 04/19/2010 |
| RECEIVING PARTY DATA | |
| Name: | SAMSUNG LED Co., Ltd. |
| Street Address: | 314, Maetan 3-Dong, Yeongtong-Gu, |
| Internal Address: | Suwon, |
| City: | Gyeonggi-do |
| State/Country: | REPUBLIC OF KOREA |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Patent Number: | 7511312 |
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| ATTORNEY DOCKET NUMBER: | 4859-022 |
| NAME OF SUBMITTER: | Benjamin J. Hauptman |
| Total Attachments: 2 source=Assignment2#page1.tif source=Assignment2#page2.tif | |

OP \$40.00 7511312

ASSIGNMENT

WHEREAS, Samsung Electro-Mechanics Co., Ltd., whose post office address is 314 Maetan3-Dong, Yeongtong-Gu, Suwon-Si, Gyunggi-Do, Republic of Korea (hereinafter referred to as ASSIGNOR), is the assignee of U.S. Patent No. 7,511,312 issued on March 31, 2009, (hereinafter referred to as the INVENTION); by virtue of an assignment from the inventor(s) dated March 21, 2007, and recorded at Reel 019128, Frame 0653 and

WHEREAS, SAMSUNG LED Co., Ltd., whose post office address is 314 Maetan 3-Dong, Yeongtong-Gu, Suwon, Gyunggi-Do, Republic of Korea (hereinafter referred to as ASSIGNEE) is desirous of acquiring the Assignor's entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the Assignor's entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including the right to sue for past infringement, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the Assignor's entire right, title and interest in and to the said INVENTION throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and any other available international conventions and treaties; and the Assignor's entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said INVENTION.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor's certificate(s) in the United States and in foreign countries for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the INVENTION that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behoof; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such United States Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Docket No. 4859-022

Signature: Choi jin wook

Date: April 19, 2010

Leader of Intellectual Group
Title