502699400 02/27/2014

PATENT ASSIGNMENT COVER SHEET

NEW ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:

EPAS ID: PAT2746005

| CONVEYING PARTY DATA | | | |
|--------------------------------------|---|----------------------------|----------------|
| Name | | | Execution Date |
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| HYUNWOO YOO 02/13/2014 | | | 02/13/2014 |
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| ATTORNEY DOCKET NUMBER: | 0465-4279PUS1 |
|-------------------------|---------------|
| NAME OF SUBMITTER: | TAN TU |
| Signature: | /Tu T. Tan/ |
| Date: | 02/27/2014 |

Total Attachments: 3

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PATENT REEL: 032314 FRAME: 0240

Application No.: 29/483,218

Attorney Docket No.: 0465-4279PUS1

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DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

| | | As a below named inventor (hereinafter designated as the undersigned), I hereby declare that: |
|-------------------------------|------|---|
| Application not Attached | , es | This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following: |
| Enter Appln. No. | 72> | United States Application Number or PCT International Appln. No. |
| Enier Filing Date | œφ | filed on |
| | | The above-identified application was made or authorized to be made by me. |
| | | I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. |
| | | I have reviewed and understand the contents of the above-identified application, including the claims. |
| | | I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56. |
| | | WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified. |
| insert Name of Assignee | ಾ | WHEREAS, LG ELECTRONICS INC. |
| Insert Address of Assignee | ÷ | of 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea, |
| | | its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and |
| Check Box if Appropriate | ¢ζ | in any foreign countries. |
| | | NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any |

Page 1

terms for which the same may be granted.

and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or

Attorney Docket No.: 0465-4279PUS1

The undersigned agues to execute all papers recessary in connection with this application and any continuing, divisional, conversion or reissue applications theorem and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference which may be declared expectating this application or continuation, division, conversion or reisone thereof or Letters Patent(s) or reisone patent issued thereon and to cooperate with the Assigner in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all attinuative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any funcing patent(s) to the Assignmental to vest all rights therein hereby conveyed to said Assignment as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignes, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in condict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

| | LEGAL N | AME OF INVENTOR | | | | | |
|----------------------|----------------|--|-------------------------|-------|---------|------|---|
| Saventer's Name | * Inventor: | Dongsoon KIM | | Date: | ، ١١٩مد | ১. / | 3 |
| havrior's Sogodane - | Signature: | | | | | | |
| | | D/SB/14 or equivalent), including na wentor; or check the box below and c | | | | | |
| 🔯 Additional is | nventors are b | eing named on the Loupplemental sh | eer(s) attached hereto. | | | | |
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SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

LEGAL NAME OF JOINT INVENTOR, IF ANY

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

| towers of there | * Jureston: Hymaroo YOO | Date: 30/4 . 2./3 |
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| | LEGAL NAME OF JOINT INVENTOR, IF ANY | |
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| Berch, Stewar | T, KOŁASCH & BIRCH, LLP | |

PATENT REEL: 032314 FRAME: 0243

RECORDED: 02/27/2014