505345990 02/26/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5392773

| SUBMISSION TYPE: | | NEW ASSIGNMENT | | |
|---|---|---|----------------|--|
| NATURE OF CONVEYANCE: | | ASSIGNMENT | ASSIGNMENT | |
| CONVEYING PARTY DA | TA | | | |
| | | Name | Execution Date | |
| JONGMOO LEE | | | 02/26/2019 | |
| SUNHEE MOON | | | 02/26/2019 | |
| SAEROM LEE | | | 02/26/2019 | |
| HYESOON JEONG | | | 02/26/2019 | |
| EUNYEUNG LEE | | | 02/26/2019 | |
| JIWOO LEE | | | 02/26/2019 | |
| RECEIVING PARTY DA | ГА | | | |
| Name: | | NG ELECTRONICS CO., LTD. | | |
| Street Address: | 129, SA | MSUNG-RO, YEONGTONG-GU | | |
| City: | SUWON | I-SI, GYEONGGI-DO | | |
| State/Country: | KOREA | , REPUBLIC OF | | |
| Postal Code: | 16677 | | | |
| PROPERTY NUMBERS | Total: 1 | | | |
| Property Type | | Number | | |
| | | | | |
| Application Number: | 1 | 6285445 | | |
| Application Number: | | 16285445 | | |
| CORRESPONDENCE D | ATA | | | |
| CORRESPONDENCE DA Fax Number: Correspondence will be | ATA (e sent to | 703)816-4100 <i>the e-mail address first; if that is unsuc</i> | | |
| CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p | ATA (e sent to provided; | 703)816-4100 | | |
| CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: | ATA (e sent to provided; | 703)816-4100 the e-mail address first; if that is unsuc ; if that is unsuccessful, it will be sent v | | |
| CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: | ATA e sent to provided; 7 F | 703)816-4100 <i>the e-mail address first; if that is unsuc</i> <i>; if that is unsuccessful, it will be sent v</i> 703-816-4000 ptomail@nixonvan.com JPDEEP S. GILL | | |
| CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: | ATA e sent to provided; 7 F | 703)816-4100 <i>the e-mail address first; if that is unsuc</i> <i>; if that is unsuccessful, it will be sent v</i> 703-816-4000 otomail@nixonvan.com JPDEEP S. GILL NIXON & VANDERHYE PC / SAMSUNG | | |
| CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: | ATA e sent to provided; 7 k l l | 703)816-4100 <i>the e-mail address first; if that is unsuc</i> <i>; if that is unsuccessful, it will be sent v</i> 703-816-4000 otomail@nixonvan.com JPDEEP S. GILL NIXON & VANDERHYE PC / SAMSUNG 901 N. GLEBE RD., 11TH FLOOR | | |
| CORRESPONDENCE DA Fax Number: Correspondence will be | ATA e sent to provided; 7 k l l | 703)816-4100 <i>the e-mail address first; if that is unsuc</i> <i>; if that is unsuccessful, it will be sent v</i> 703-816-4000 otomail@nixonvan.com JPDEEP S. GILL NIXON & VANDERHYE PC / SAMSUNG | | |
| CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: | ATA e sent to provided, 7 k l k | 703)816-4100 <i>the e-mail address first; if that is unsuc</i> <i>; if that is unsuccessful, it will be sent v</i> 703-816-4000 otomail@nixonvan.com JPDEEP S. GILL NIXON & VANDERHYE PC / SAMSUNG 901 N. GLEBE RD., 11TH FLOOR | | |
| CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: | ATA e sent to provided, 7 k l k | 703)816-4100 <i>the e-mail address first; if that is unsuc</i> <i>; if that is unsuccessful, it will be sent v</i> 703-816-4000 otomail@nixonvan.com JPDEEP S. GILL NIXON & VANDERHYE PC / SAMSUNG 001 N. GLEBE RD., 11TH FLOOR ARLINGTON, VIRGINIA 22203 | | |
| CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: | ATA e sent to provided, 7 k l k | 703)816-4100 <i>the e-mail address first; if that is unsuc</i> <i>; if that is unsuccessful, it will be sent v</i> 703-816-4000 otomail@nixonvan.com JPDEEP S. GILL NIXON & VANDERHYE PC / SAMSUNG 901 N. GLEBE RD., 11TH FLOOR ARLINGTON, VIRGINIA 22203 USG-6355-107 | | |
| CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: | ATA e sent to provided, 7 k l k | 703)816-4100 the e-mail address first; if that is unsuc ; if that is unsuccessful, it will be sent v 703-816-4000 ptomail@nixonvan.com JPDEEP S. GILL NIXON & VANDERHYE PC / SAMSUNG 001 N. GLEBE RD., 11TH FLOOR ARLINGTON, VIRGINIA 22203 USG-6355-107 UPDEEP S. GILL | | |

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

source=6355-107_Declaration_Assignment#page1.tif source=6355-107_Declaration_Assignment#page2.tif source=6355-107_Declaration_Assignment#page3.tif

Samsung Ref: GM-201708-067-1-US0

| | | Attorney Docket Number | USG-6355-107 | | | |
|--|--|---|---|--|--|--|
| APPLICATION (37 CFR 1.53) USING AN APPLICATION DATA SHEET (37 CFR 1.76) Declaration Submitted With Initial Filing OR Declaration Submitted After Initial Filing (surcharge (37 C F. R. § 1.16(f)) required) FLECTRONIC DEVICE AND FINGERPRINT AUTHENTICATION INTERFACE METHOD (The of the Inventor) (The Inventor) (The of the Inventor) (The of the Inventor) (The I | | | | | | |
| Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(ft)) required) ELECTRONIC DEVICE AND FINGERPRINT AUTHENTICATION INTERFACE METHOD THEREOF (The drive inventor, I hereby declare that. The declaration is directed to: (The drive inventor, I hereby declare that. The drive declared to is directed to: (The drive inventor, I hereby declare that. The drive declared to: (The drive inventor, I hereby declare that. The drive declared to: (The drive inventor, I hereby declare that. The drive declared to: (The drive inventor, I hereby declare that. The drive declared to: (The drive inventor, I hereby declare that. The drive declared application (The drive inventor of PCT International application number | APPLICATION (37 CFR 1.63) USING AN A | | | | | |
| ELECTRONIC DEVICE AND FINGERPRINT AUTHENTICATION INTERFACE METHOD Interest of the inventor. (Record) (Recor | OR | | | | | |
| THEREOF (Title of the invention) As a below named inventor, i hereby declare that This declaration is directed to: Image: The ablached application declare that This declaration is directed to: Image: The ablached application Number or PCT international application number Image: The above-identified application was made or authorized to be made by me. Deliver I am the original inventor or an original point inventor of a claimed invention in the application. If needback actions in the original inventor or an original point inventor of a claimed invention in the application. If needback actions in the original inventor or an original point inventor of a claimed invention in the application identified above. WHEREAS, Samsung Ellectronics Co., Ltd., thereinstifter ASSIGNCE), a corporation having an office and place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea, is desirous of acquining an interest therain. NVM, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged the said ASSIGNOR by these and acciliant on the related to an official point/ under the intervention as described in the official application, and to all solary constraints, and any other international agreements to which a dual to all solary constraints or intervent on described on the absolutes of America and I ontering and I continuations, divisions. Teresten, and substitutes of said ASSIGNOE by apresuperson and substitutes of said ASSIGNOE | Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required) | | | | | |
| As a below named inventor, I hereby declare that. This declaration is directed to: The attached application Number or PCT International application number | | | E METHOD | | | |
| This declaration is directed to: Image: The attached application, the state of the | () itie of the inver | ntion) | | | | |
| The atlached analication, OR Index States Application Number or PCT International application number | As a below named inventor, I hereby declare that. | | | | | |
| OR | This declaration is directed to: | | | | | |
| United States Application Number or PCT International application number | The attached application, | | | | | |
| The above-identified application was made or authorized to be made by me. Deliver I am the original inventor or an original joint inventor of a claimed invention in the application. Istreby achoweding that any willful false statement made in this declaration is purishable under 18 U.S.C. 1001 by line or imprisonment of not more than line (5) years, or both. WHEREAS, Samsung Electronics Co., Ltd. (hereinater ASSIGNEE), a corporation having an office and place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea, is desirous of acquining an interest therein. VW, THEREORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these aresents hereby asknowledged. The said ASSIGNOR by these aresents hereby asknowledge than and all regit or protein counties, in and to the invention as described in the aforesaid application, and to the said application, and to be said application and to all subsequent applications based thereon including any and all continuations, divisons, reissues, and substitile roperty, little states of America and local subsequent application and to the attractional agreements to which the United States of America adheres. Nomention Ratating to Patients. Designs and Industrial Models, and any other international agreements to which the United States of America adheres. Netrest as ASSIGNE is successors, assigns, and legal representatives, and without therest as ASSIGNEE in a will continue to represent on Assign Addels, and any other international agreements to which the United States of America adheres. Novention Ratating to Patients. Designs and Industrial Models, and any other international agr | OR | | | | | |
| It believe I am the original inventor or an original joint inventor of a claimed invention in the application. It Pretely acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by line or imprisonment of not more than five (5) years, or both. WHEREAS, the undersigned (hereinafter each ASSIGNOR), has made an invention in the Application identified above. WHEREAS, Samsung Electronics Co., Ltd. (hereinafter ASSIGNEE), a corporation having an office and place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea , is desirous of acquining an interest therein. NOW, ITHEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these researts horizely selfs, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and landsfers unto the said ASSIGNEE is successors, assigns, and transfers unto the said ASSIGNEE is successors, assigns, and target representatives, based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and to the said application for the Protection of fudershift Protection of Industrial States of America and here representatives. It is understoad and agreements to which the United States of America and legal representatives and Tademarks to issue said Letters Patent to ASSIGNEE, for its understoad and agreements to which the United States of America and equivation to request of said ASSIGNEE. It is uncerstoad and agreed that ASSIGNEE's attorneys Nixur & Vanderbye P.C. have representated only ASSIGNEE and will continue to representatives. Said SSIGNEE, assigns, and transfer, its and the assign and the assign and the assign and any other remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention, ASSIGNEE | | a | | | | |
| It hereby acknowledge 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. WHEREAS, the undersigned (hereinafter each ASSIGNOR), has made an invention in the Application identified above. WHEREAS, Samsung Electronics Co., Ltd. (hereinafter ASSIGNEE), a corporation having an office and place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-Si, Gyeonggi-do, 16677, Republic of Korea , is desirous of acquiring an interest therein. NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSiGNOR's entire inph, thit and interest in the United States of America and all breign countries, in and to the invention as described in the aforesaid application, and to he said applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and to all subsequent application and industris in Molds, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASIGNAP authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as SIGNCR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without urither remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention, ASSIGNCR hereby agrees to vacute any papers by ASSIGNCE. Its successors, assigns, and legal representatives, deemed essential to ASSIGNEE's of the filter and to the invention hereby transferred; and susting pat | The above-identified application was made or authorized to be made by me. | | | | | |
| by line or imprisonment of not more than five (5) years, or both. MHEREAS, the undersigned (hereinather each ASSIGNOR), has made an invention in the Application identified above. MHEREAS, Samsung Electronics Co., Ltd. (hereinather ASSIGNEE), a corporation having an office and place of business at 129 , Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea , is desirous of acquining an interest therein: VOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR's entire right, title ind interest in the United States of America and all toreign countries, in and to the invention as described in the aforesaid application, and to the said pplication and to all subsequent applications based thereon including any and all continuations, twissions, reissues, and substitutes of said application, and all resulting patents, logether with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American convention Retaing to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres therest as ASSIGNOR hereby authorizes and reguests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its sterest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEF'S attorneys Nixon & Vandertiye C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE, its successors, assigns, and legal representatives, its and to any improvements, and applications for patents based thereon, growing out of or related to the said invention, SSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE, and will continue to represent on a statemarks, adeemed essential to ASSIGNEE's atterest applications SSIGNOR hereby agrees to exec | believe I am the original inventor or an original joint inventor of a claimed inv | ention in the application. | | | | |
| WHEREAS. Samsung Electronics Co., Ltd. (hereinalter ASSIGNEE), a corporation having an office and place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea, is desirous of acquiring an interest therein: UOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these resents hereby selts, assigns, and transfers unto the said ASSIGNOR is, in and to the invention as described in the aforesaid applications, and to the said applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application is based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and to the said application and to all subsequent applications based thereon including any and all continuitions, divisions, reissues, and substitutes of said application, and to the said application of the Protection of Industrial Property. Inter American 2009/entities patents, together with the right of priority under the International agreements to which the United States of America and adheres that ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Tademarks to issue said Letters Patent to ASSIGNEE, for its understood and agreed that ASSIGNEES attorneys Nixon & Vanderbye 2. C have represented only ASSIGNEE and will continue to representatives. It is understood and agreed that ASSIGNEES attorneys Nixon & Vanderbye 2. SIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE is successors, assigns, and legal representatives, and without uriter remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; SSIGNOR hereby agrees to execute any papers by ASSIGNEE, is successors, assigns, and legal representatives, deemed essential to ASSIGNEE | by fine or imprisonment of not more than five (5) years, or both. | | | | | |
| Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea, is desirous of acquiring an interest therein: HOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these irresents hereby aells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, thit indiversal in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said upplication and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American convention Relating to Patents. Designs and industrial Models, and any other international agreements to which the United States of America adheres, indices and States of America and legal representatives. It is understood and agreed that ASSIGNEE's attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE, its successors, assigns, and legal representatives, and without arther remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; ISSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, and without all protection and title in and to the invention hereby transferred. and SSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the ting and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. SSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the ting and grant | | | | | | |
| Interest of the problem of the problem of the stand ASSIGNEE, its successors, assigns, and legal representatives. ASSIGNOR'S entire right, this und interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and to the said merica adheres, and the satifies and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE (or its interest as ASSIGNEE, its successors, assigns, and legal representatives). It is understood and agreed that ASSIGNEE's attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention. SSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without unther remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; USSIGNOR hereby agrees to execute any papers by ASSIGNEE, and without further remuneration, to execute any and all papers by ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the ling and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. AGREED and executed as noted below: EGAL NAME OF SOLE OR FIRST INVENTOR: E.g., Given Name (first and middle (if any)) and Family Name or Surname) Jongmoo LEE Nembor's Signature: Date: | Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, I | Republic of Korea, is desirous of acqui | ring an interest therein; | | | |
| ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without unther remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S ull protection and title in and to the invention hereby transferred; and ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the lifting and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. AGREED and executed as noted below: LEGAL NAME OF SOLE OR FIRST INVENTOR: E.g., Given Name (first and middle (if any)) and Family Name or Surname) Jongmoo LEE Nemtor's Signature: WEE Software of Date: 19. 30. 02. | presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its suc- and interest in the United States of America and all foreign countries, in and to application and to all subsequent applications based thereon including any an and all resulting patents, together with the right of priority under the Internation Convention Relating to Patents. Designs and Industrial Models, and any other and the ASSIGNOR hereby authorizes and requests the Commissioner of Pat interest as ASSIGNEE, its successors, assigns, and legal representatives. It is | ccessors, assigns, and legal representative:) the invention as described in the aforesaic d all continuations, divisions, reissues, and hat Convention for the Protection of Industri international agreements to which the Unit ents and Trademarks to issue said Letters s understood and agreed that ASSIGNEETS | s. ASSIGNOR'S entire right, title l application, and to the said substitutes of said application, al Property, Inter-American ed States of America adheres, Patent to ASSIGNEE_for its | | | |
| Il protection and title in and to the invention hereby transferred; and ISSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the ling and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. AGREED and executed as noted below: EGAL NAME OF SOLE OR FIRST INVENTOR: E.g., Given Name (first and middle (if any)) and Family Name or Surname) Jongmoo LEE Nentor's Signature: UME Source of Sou | SSIGNOR hereby agrees to transfer a like interest upon request of said ASS | IGNEE its successors assions and legal | epresentatives, and without the said invention; | | | |
| Ing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. AGREED and executed as noted below: EGAL NAME OF SOLE OR FIRST INVENTOR: E.g., Given Name (first and middle (if any)) and Family Name or Surname) Jongmoo LEE Iventor's Signature: UEE Solveward of UEE UAE Date: UAE Solveward of UEE | (SSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S ull protection and title in and to the invention hereby transferred; and | | | | | |
| EGAL NAME OF SOLE OR FIRST INVENTOR: E.g., Given Name (first and middle (if any)) and Family Name or Surname) Jongmoo LEE iventor's Signature: CEE Songwoo O 19, 24, 02 | SSIGNOR hereby agrees, upon request of ASSIGNEE, and without further n ling and granting of foreign applications and the perfecting of fille thereto in A | emuneration, to execute any and all papers SSIGNEE. | desired by ASSIGNEE, for the | | | |
| E.g., Given Name (first and middle (if any)) and Family Name or Surname) Jongmoo LEE Iventor's Signature: CEE Sovewappo 19.26.02 | GREED and executed as noted below: | | | | | |
| iventor's Signature: 27 Jongymess 9, 36, 02 | | name) | | | | |
| at Jongmoo 19. 26.02 | Jangmoo | | LEE | | | |
| | | | t. 02 | | | |
| | | | | | | |
| | lote: PTO Rules state "A person may not execute an oath or declaration for an ontents of the application, including the claims, and is aware of the duty to dis atentability as defined in 137 CERI 51.56 | n application unless that person has review iclose to the Office all information known to | ed and understands the the the person to be material to | | | |

(Page 1 of 2)

PATENT REEL: 048437 FRAME: 0201

Samsung Ref.: GM-201708-067-1-US0 DOCKET NO: USG-6355-107

| SUPPLEMENTAL SHEET FOR DECLARATION | ADDITIONAL INVENTOR(S) Supplemental Sheet (Page 2 of 2) |
|--|---|
| Legal Name of Additional Joint Inventor, if any: | |
| (E.g., Given Name (first and middle (if any)) and Family Name or Si | umame) |
| Sunhee | MOON |
| Inventor's Signature: MooN SUNHEE | Date: 19. 26. 02 |
| Legal Name of Additional Joint Inventor, if any: | |
| (E.g., Given Name (first and middle (if any)) and Family Name or St | urname) |
| Saerom | LEE |
| Invenior's Signature: Lee Scievom | Date: [A. 240 . 0.2. |
| Legal Name of Additional Joint Inventor, if any: | |
| (E.g., Given Name (first and middle (if any)) and Family Name or St. | irname) |
| Hyesoon | JEONG |
| Inventor's Signature: HYELDON JEONUS | Date: (9, 26, 02 |
| Legal Name of Additional Joint Inventor, if any: | |
| (E.g., Given Name (first and middle (if any)) and Family Name or Su | irname) |
| Eunyeung | LEE |
| Inventor's Signature: | Date: |
| Legal Name of Additional Joint Inventor, if any: | |
| (E.g., Given Name (first and middle (if any)) and Family Name or Su | imame) |
| Jiwoo | LEE |
| inventor's Signature. | Date: |
| | |

PATENT REEL: 048437 FRAME: 0202

Samsung Ref.: GM-201708-067-1-US0 DOCKET NO. USG-6355-107

| SUPPLEMENTAL SHEET FOR DECLARATION | ADDITIONAL INVENTOR(S) Supplemental Sheet (Page 2 of 2) |
|--|---|
| Legal Name of Additional Joint Inventor, if any: | |
| (E.g., Given Name (first and middle (if any)) and Family Name or St Sunhee | imame) MOON |
| inventor's Signature: | Date: |
| Legal Name of Additional Joint Inventor, if any: | |
| (E.g., Given Name (first and middle (if any)) and Family Name or Su Saerom | imame) LEE |
| Inventor's Signature: | Date: |
| Legal Name of Additional Joint Inventor, if any: | |
| (E.g., Given Name (first and middle (if any)) and Family Name or Su Hyesoon | imame) JEONG |
| Inventor's Signature | Date: |
| Legal Name of Additional Joint Inventor, if any: | |
| (E.g., Given Name (first and middle (if any)) and Family Name or Su | |
| Eunyeung Inventor's Signature: Like Fun yeur? | Date: Feb 26th 2019 |
| Legal Name of Additional Joint Inventor, if any: | |
| (E.g., Given Name (first and middle (if any)) and Family Name or Su Jiwoo | imame) LEE |
| Inventor's Signature: | Date: Fib 26th, 2019 |

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