PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3291402

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| SRIDHAR RAJAGOPAL | 03/31/2015 |
| SHADI ABU-SURRA | 03/31/2015 |

RECEIVING PARTY DATA

| Name: | SAMSUNG ELECTRONICS CO., LTD | |
|-----------------------------------|-------------------------------|--|
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| City: | GYEONGGI-DO | |
| State/Country: KOREA, REPUBLIC OF | | |
| Postal Code: | 443-742 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14675190 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | 2014.07.012.SR0 |
|-------------------------|--|
| NAME OF SUBMITTER: | MICHAEL G. RODRIGUEZ |
| SIGNATURE: | /Michael G. Rodriguez/ |
| DATE SIGNED: | 03/31/2015 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

Total Attachments: 2

source=DeclarationAssignment#page1.tif source=DeclarationAssignment#page2.tif

PATENT 503244784 REEL: 035303 FRAME: 0727

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

| | Title of Invention | METHOD A WIRELESS | ND APPARATUS FOR PEAK TO AVERAGE POWER REDUCTION IN |
|--------|---|---|--|
| | As the undersigned inventor, I hereby declare that: WIRELESS COMMUNICATION SYSTEMS USING SPECTRAL MASK FILLING | | |
| | 1 | declaration and | ☐ United States application or PCT International application number 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 application including the claims, for which this combined declaration and | | |
| | I am aware of th 1.56. | ne duty to disclose | to the Office all information known to me to be material to patentability as defined in 37 CFR |
| | WHEREAS, Sau Suwon-si, Gyeo said invention an | msung Electronics nggi-do, Korea (h nd to any patent th | ereinafter referred to as "ASSIGNEE"), desires to acquire the entire right, title and interest in that may be granted thereon in the United States and foreign countries; |
| | NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, We, the below named inventors, hereby sell, assign and transfer to said ASSIGNEE, its successors and assigns, the entire right, title and interest in the above-identified application and the invention disclosed therein in all countries, including all divisional applications, continuation applications, and corresponding priority applications including those to which priority is claimed under the International Convention of Paris including under 35 U.S.C. 119, substitutions, and renewals thereof, and to all patents that may be granted | | |
| 1 | apply for patents | for the invention | ne Patent Office Officials in the United States and all foreign countries to issue patents, when excessors and assigns. Further, We agree that said ASSIGNEE, its successors and assigns, may in foreign countries without further authorization from us. Also, We agree to execute all ing possible to aid said ASSIGNEE, its successors and assigns, in obtaining and enforcing attries. |
| I U | hereby acknowle J.S.C. 1001 by fi | edge that any will ne or imprisonme | ful false statement made in this combined declaration and assignment is punishable under 18 nt of not more than five (5) years, or both. |
| | | | |
| | | | TOR (e.g., full first name, middle initial, last name) |
| I | nventor: Sridhar | Rajagopal | Date: 3/31/15 |
| S | ignature: | - Au | |
| | | -VV | |

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2014.14.07.012.SR0 SAMS10-00936

| LEGAL NAME OF SECOND INVENTOR (e.g., full firs | t name, middle initial, last name) |
|--|------------------------------------|
| Inventor: Shadi Abu-Surra | Date: |
| Signature: | |

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2014.14.07.012.SR0 SAMS10-00936

RECORDED: 03/31/2015

PATENT REEL: 035303 FRAME: 0729