506280546 09/30/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6327293

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| KENDALL WILLETS | 09/29/2020 |
| CHANDRASHEKAR MUNIYAPPA | 09/29/2020 |
| SRIRAMAN KRISHNAMOORTHY | 09/29/2020 |

RECEIVING PARTY DATA

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| State/Country: | ntry: KOREA, REPUBLIC OF | |
| Postal Code: | 16677 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17038351 |

CORRESPONDENCE DATA

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| NAME OF SUBMITTER: | MICHAEL G. RODRIGUEZ |
| SIGNATURE: | /Michael G. Rodriguez, Reg. No. 60,236/ |
| DATE SIGNED: | 09/30/2020 |

Total Attachments: 3

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PATENT 506280546 REEL: 053931 FRAME: 0539

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

| Title of Invention | SYSTEM AND METHOD FOR BLOOM FILTERS IN LARGE SCALE APPLICATIONS | | | |
|--|--|--|--|--|
| As the undersigned inventor, I hereby declare that: | | | | |
| This combined assignment is a | declaration and MThe attached application, or directed to: United States application or PCT International application number filed on | | | |
| The above-ide | ntified 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 assignment is being submitted. | | | | |
| I am aware of t | the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR | | | |
| WHEREAS, Samsung Electronics Co., Ltd., a Korean corporation, having a place of business at 129, Samsung-ro, Yeongtong-gu Suwon-si, Gyeonggi-do, 16677, Korea (hereinafter referred to as "ASSIGNEE"), desires to acquire the entire right, title and interest in said invention and to any patent that may be granted thereon in the United States and foreign countries; | | | | |
| above-identifie applications, as Convention of | FORE, for good and valuable consideration, the receipt whereof is hereby acknowledged. We, the below named by sell, assign and transfer to said ASSIGNEE, its successors and assigns, the entire right, title and interest in the ed application and the invention disclosed therein in all countries, including all divisional applications, continuation and corresponding priority applications including those to which priority is claimed under the International Paris including under 35 U.S.C. 119, substitutions, and renewals thereof, and to all patents that may be granted I reissues thereof. | | | |
| We hereby authorize and request the Patent Office Officials in the United States and all foreign countries to issue patents, when granted, to said ASSIGNEE, its successors and assigns. Further, We agree that said ASSIGNEE, its successors and assigns, may apply for patents for the invention in foreign countries without further authorization from us. Also, We agree to execute all papers and generally to do everything possible to aid said ASSIGNEE, its successors and assigns, in obtaining and enforcing patents for the invention in all countries. | | | | |
| I hereby ackno U.S.C. 1001 by | wledge that any willful false statement made in this combined declaration and assignment is punishable under 18 / fine or imprisonment of not more than five (5) years, or both. | | | |
| | | | | |
| LEGAL NAMI | E OF FIRST INVENTOR (e.g., full first name, middle initial, last name) | | | |
| Inventor: | Kendall Willets Date: 9/29/2020 | | | |
| Signature: | K Will | | | |

| LEGAL NA | ME OF SECOND INVENTOR (e.g., full first name, middle initial, la | st name) | | \ \ \ | | |
|------------|--|----------|---|-------|------|--|
| Inventor: | Chandrashekar Muniyappa | Date: | 9 | 29 | 2020 | |
| Signature: | Charles Charles Charles Contraction | | | | | |

| LEGAL NAM | E OF THIRD INVENTOR (e.g., full f | irst name, middle initial, last name) |
|----------------|-----------------------------------|---------------------------------------|
| Inventor: | Sriraman Krishnamoorthy | Date: <u>09/29/2020</u> |
| Signature: | K. Arie | |