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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7314461

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| DAVID E. NEWMAN | 05/04/2022 |
| R. KEMP MASSENGILL | 05/04/2022 |

RECEIVING PARTY DATA

| | |
|------------------------|----------------------|
| Name: | ULTRALOGIC 6G, LLC |
| Street Address: | 709 VIA DEL MONTE |
| City: | PALOS VERDES ESTATES |
| State/Country: | CALIFORNIA |
| Postal Code: | 90274 |

PROPERTY NUMBERS Total: 21

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17526172 |
| Application Number: | 17526174 |
| Application Number: | 17526182 |
| Application Number: | 17526192 |
| Application Number: | 17579731 |
| Application Number: | 17579742 |
| Application Number: | 17579749 |
| Application Number: | 17579755 |
| Application Number: | 17580927 |
| Application Number: | 17580929 |
| Application Number: | 17584764 |
| Application Number: | 17585985 |
| Application Number: | 17585992 |
| Application Number: | 17586979 |
| Application Number: | 17586989 |
| Application Number: | 17674182 |
| Application Number: | 17674191 |
| Application Number: | 17675198 |
| Application Number: | 17675221 |

PATENT

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17685655 |
| Application Number: | 17693686 |

CORRESPONDENCE DATA

Fax Number: (908)518-7795

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: MAYER & WILLIAMS PC

Address Line 1: 55 MADISON AVENUE, SUITE 400

Address Line 4: MORRISTOWN, NEW JERSEY 07960

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|--------------------------------|-----------------|
| ATTORNEY DOCKET NUMBER: | 6900/G |
| NAME OF SUBMITTER: | MICHELLE WOLF |
| SIGNATURE: | /michelle wolf/ |
| DATE SIGNED: | 05/05/2022 |

Total Attachments: 3

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ASSIGNMENT

We, David E. Newman and R. Kemp Massengill (hereinafter referred to as “the Assignor”); have invented certain new and useful improvements as described in the following US Patents/Applications:

| Atty Ref. | Title | Serial No. | Filing Date |
|-----------|---|------------|-------------|
| 6900.67 | Location-Based Beamforming for Rapid 5G and 6G Directional Messaging | 17 526 172 | 2021-Nov-15 |
| 6900.66 | AI-Based Power Allocation for Efficient 5G/6G Communications | 17 526 174 | 2021-Nov-15 |
| 6900.65 | Location-Based Power for High Reliability and Low Latency in 5G/6G | 17 526 182 | 2021-Nov-15 |
| 6900.64 | Rapid Doppler Correction for Mobile V2X Communication in 5G/6G | 17 526 192 | 2021-Nov-15 |
| 6900.68 | Error Detection and Correction by Modulation Quality in 5G/6G | 17 579 731 | 2022-Jan-20 |
| 6900.69 | Error Correction by Merging Copies of 5G/6G Messages | 17 579 742 | 2022-Jan-20 |
| 6900.70 | Retransmission of Selected Message Portions in 5G/6G | 17 579 749 | 2022-Jan-20 |
| 6900.71 | AI-Based Error Detection and Correction in 5G/6G Messaging | 17 579 755 | 2022-Jan-20 |
| 6900.72 | Downlink Demarcations for Rapid, Reliable 5G/6G Messaging | 17 580 927 | 2022-Jan-21 |
| 6900.73 | Custom Downlink Search-Spaces for Low-Complexity 5G/6G Messaging | 17 580 929 | 2022-Jan-21 |
| 6900.60 | Searchable Database of 5G/6G Network Access Information | 17 584 764 | 2022-Jan-26 |
| 6900.53 | Short-Form Demodulation Reference for Improved Reception in 5G and 6G | 17 585 985 | 2022-Jan-27 |
| 6900.61 | Hailing Procead for V2R, V2V, and V2X Initial Contact in 5G and 6G | 17 585 992 | 2022-Jan-27 |
| 6900.62 | Semaphore Messages for Rapid 5G and 6G Network Selection | 17 586 979 | 2022-Jan-28 |
| 6900.63 | Sidelink V2V, V2X, and Low-Complexity IoT Communication in 5G and 6G | 17 586 989 | 2022-Jan-28 |
| 6900.77 | Error Detection and Correction in 5G/6G Pulse-Amplitude Modulation | 17 674 182 | 2022-Feb-17 |
| 6900.78 | Error Correction by Merging Copies of PAM-Modulated 5G/6G Messages | 17 674 191 | 2022-Feb-17 |
| 6900.79 | Retransmission of Selected PAM-Modulated Message Portions in 5G/6G | 17 675 198 | 2022-Feb-18 |
| 6900.80 | Artificial-Intelligence Error Mitigation in 5G/6G Messaging | 17 675 221 | 2022-Feb-18 |

| Atty Ref. | Title | Serial No. | Filing Date |
|-----------|--|------------|-------------|
| 6900.81 | Short-Form 5G/6G Pulse-Amplitude Demodulation References | 17 685 655 | 2022-Mar-03 |
| 6900.82 | Cascaded Polling for Resource-Efficient Low-Complexity 5G/6G DRX | 17 693 686 | 2022-Mar-14 |

WHEREAS, ULTRALOGIC 6G, LLC, organized and existing under and by virtue of the laws of the State of California, having an office at 709 Via Del Monte, Palos Verdes Estates, CA 90274 (hereinafter referred to as “the Assignee”), is desirous of acquiring the entire right, title and interest in and to the application and invention therein described and claimed and any Letters Patent that may be issued upon the application or for the improvements therein contained.

NOW THEREFORE, in consideration of One U.S. Dollar (U.S. \$1.00) and other valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;
4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives, and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives, or assigns which may be useful for establishing the facts of my conception, disclosure, and reduction to practice of said inventions and discoveries.

/ David E. Newman /

David E. Newman
Date: May 4, 2022

/ r. kemp massengill /

R. Kemp Massengill
Date: May 4, 2022