PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6651025

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MAXLINEAR, INC.	03/31/2021

RECEIVING PARTY DATA

Name:	ENTROPIC COMMUNICATIONS, LLC
Street Address:	1345 AVENUE OF THE AMERICAS
Internal Address:	46TH FLOOR
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10105

PROPERTY NUMBERS Total: 149

Property Type	Number
Application Number:	12247908
Application Number:	14230055
Application Number:	15251349
Application Number:	12966905
Application Number:	13556649
Application Number:	14690607
Application Number:	13563955
Application Number:	15991488
Application Number:	13485003
Application Number:	14107212
Application Number:	14563476
Application Number:	15419063
Application Number:	13607916
Application Number:	15802291
Application Number:	16010671
Application Number:	14341880
Application Number:	14948947
Application Number:	14551737
Application Number:	13857755

Property Type	Number
Application Number:	13857776
Application Number:	13546704
Application Number:	13845363
Application Number:	14444537
Application Number:	13591768
Application Number:	14684602
Application Number:	15019387
Application Number:	14614543
Application Number:	15792318
Application Number:	16430506
Application Number:	12762900
Application Number:	13962871
Application Number:	14617973
Application Number:	14948881
Application Number:	14948907
Application Number:	12762950
Application Number:	15400666
Application Number:	13356265
Application Number:	14274890
Application Number:	14719393
Application Number:	14316194
Application Number:	16259021
Application Number:	13762939
Application Number:	15907404
Application Number:	13783130
Application Number:	14948436
Application Number:	15297595
Application Number:	13906933
Application Number:	15692459
Application Number:	13917794
Application Number:	14711057
Application Number:	15840195
Application Number:	14156779
Application Number:	15390900
Application Number:	14154234
Application Number:	15006337
Application Number:	15582793
Application Number:	15789372

Property Type	Number
Application Number:	12979270
Application Number:	13865489
Application Number:	14628627
Application Number:	15207085
Application Number:	15943141
Application Number:	16157818
Application Number:	13301488
Application Number:	14305417
Application Number:	15783116
Application Number:	15878099
Application Number:	13328634
Application Number:	14335989
Application Number:	16444524
Application Number:	13349856
Application Number:	14541349
Application Number:	14981102
Application Number:	13723897
Application Number:	15633146
Application Number:	16391396
Application Number:	13726994
Application Number:	16010069
Application Number:	15189758
Application Number:	15890495
Application Number:	13768982
Application Number:	13769004
Application Number:	13769031
Application Number:	13726965
Application Number:	15138390
Application Number:	13768940
Application Number:	15391105
Application Number:	15888705
Application Number:	13916130
Application Number:	14616397
Application Number:	15903189
Application Number:	13948401
Application Number:	14929463
Application Number:	15444648
Application Number:	15866106

Property Type	Number
Application Number:	13948444
Application Number:	15228703
Application Number:	15434673
Application Number:	16195053
Application Number:	15885871
Application Number:	14147628
Application Number:	14979825
Application Number:	15652982
Application Number:	14157146
Application Number:	15279653
Application Number:	16674594
Application Number:	15997183
Application Number:	14243679
Application Number:	14636621
Application Number:	15082989
Application Number:	15587534
Application Number:	15037955
Application Number:	16181664
Application Number:	15720224
Application Number:	14537359
Application Number:	15272060
Application Number:	14808193
Application Number:	16161728
Application Number:	15812893
Application Number:	14921667
Application Number:	15586836
Application Number:	16026636
Application Number:	16299246
Application Number:	14857453
Application Number:	14824792
Application Number:	16404354
Application Number:	16830986
Application Number:	14824915
Application Number:	15805776
Application Number:	16128064
Application Number:	14824973
Application Number:	14839532
Application Number:	16404351

Property Type	Number
Application Number:	16717248
Application Number:	15206049
Application Number:	15205962
Application Number:	16001067
Application Number:	15211897
PCT Number:	US2008079365
PCT Number:	US2010060145
PCT Number:	US2012040738
PCT Number:	US2013035387
PCT Number:	US2013035503
PCT Number:	US2010031627
PCT Number:	US2010031631
PCT Number:	US2013028860
PCT Number:	US2010062165
PCT Number:	US2013026367
PCT Number:	US2014011483

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SIGNATURE:	/James Van Cleave Gambrell/
DATE SIGNED:	04/12/2021

Total Attachments: 17
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EXECUTION VERSION

ASSIGNMENT OF PATENT RIGHTS BY MAXLINEAR, INC.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, MaxLinear, Inc., a Delaware corporation, with an office at 5966 La Place Court, Suite 100, Carlsbad, CA 92008 ("**Assignor**"), does hereby sell, assign, transfer, and convey unto Entropic Communications, LLC, a Delaware limited liability company, with an address at 1345 Avenue of the Americas, 46th Floor, New York, NY 10105 ("**Assignee**"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "**Patent Rights**"), free and clear of all liens, claims and encumbrances other than those Assignee has expressly agreed in writing will continue to encumber the Patent Rights after execution and delivery of this Assignment of Patent Rights:

(a) the provisional patent applications, patent applications and patents listed in the table below (the "**Patents**");

Application No.	Publication / Patent No.	Country	Filing Date	Title of Patent
US2008079365W	WO2009049059	WO	2008-10-09	LOW-COMPLEXITY DIVERSITY USING COARSE FFT AND SUBBAND-WISE COMBINING
EP08837075A	EP2198524	EP	2008-10-09	LOW-COMPLEXITY DIVERSITY USING COARSE FFT AND SUBBAND-WISE COMBINING
KR20107010024A	KR20100076011	KR	2008-10-09	LOW-COMPLEXITY DIVERSITY USING COARSE FFT AND SUBBAND-WISE COMBINING
CN200880115729A	CN101878595	CN	2008-10-09	LOW-COMPLEXITY DIVERSITY USING COARSE FFT AND SUBBAND-WISE COMBINING
JP2010529043A	JP2011501522	JP	2008-10-09	LOW COMPLEXITY DIVERSITY USING COARSE FFT AND SUBBAND UNIT SYNTHESIS
TW97138893A	TW200926647	TW	2008-10-09	LOW-COMPLEXITY DIVERSITY USING COARSE FFT AND SUBBAND-WISE COMBINING
US12/247908	US8010070	US	2008-10-08	LOW-COMPLEXITY DIVERSITY USING COARSE FFT AND SUBBAND-WISE COMBINING

Application No.	Publication / Patent No.	Country	Filing Date	Title of Patent
US2010060145W	WO2011072305	WO	2010-12-13	LOW-COMPLEXITY DIVERSITY USING PREEQUALIZATION
US14/230055	US9014649	US	2014-03-31	LOW-COMPLEXITY DIVERSITY RECEPTION
US15/251349	US20160373182	US	2016-08-30	LOW-COMPLEXITY DIVERSITY RECEPTION
US12/966905	US8472912	US	2010-12-13	LOW-COMPLEXITY DIVERSITY USING PREEQUALIZATION
US13/556649	US8688064	US	2012-07-24	LOW-COMPLEXITY DIVERSITY RECEPTION
US14/690607	US9432104	US	2015-04-20	LOW-COMPLEXITY DIVERSITY RECEPTION
US13/563955	US8548411	US	2012-08-01	LOW-COMPLEXITY DIVERSITY RECEPTION
US2012040738W	WO2012167250	WO	2012-06-04	MULTI-LAYER TIME-INTERLEAVED ANALOG-TO-DIGITAL CONVERTOR (ADC)
EP12792638A	EP2715943	EP	2012-06-04	MULTI-LAYER TIME-INTERLEAVED ANALOG-TO-DIGITAL CONVERTOR (ADC)
US15/991488	US20180278408	US	2018-05-29	SIGNAL RECEIVER WITH MULTI-LEVEL SAMPLING
CN201280036929A	CN103703688	CN	2012-06-04	MULTILAYER IS TIME-INTERLEAVED/NUMBER CONVERTER (ADC)
KR20147000234A	KR101879906	KR	2012-06-04	MULTI-LAYER TIME-INTERLEAVED ANALOG-TO-DIGITAL CONVERTOR(ADC)
US13/485003	US8611483	US	2012-05-31	MULTI-LAYER TIME-INTERLEAVED ANALOG-TO-DIGITAL CONVERTOR (ADC)
US14/107212	US8934590	US	2013-12-16	SIGNAL RECEIVER WITH MULTI-LEVEL SAMPLING
US14/563476	US9559835	US	2014-12-08	SIGNAL RECEIVER WITH MULTI-LEVEL SAMPLING
US15/419063	US9985777	US	2017-01-30	MULTI-LAYER TIME-INTERLEAVED ANALOG-TO-DIGITAL CONVERTOR (ADC)
US13/607916	US8792008	US	2012-09-10	METHOD AND APPARATUS FOR SPECTRUM MONITORING
US15/802291	US10063436	US	2017-11-02	METHOD AND APPARATUS FOR SPECTRUM MONITORING

Application No.	Publication / Patent No.	Country	Filing Date	Title of Patent
US16/010671	US10439911	US	2018-06-18	METHOD AND APPARATUS FOR SPECTRUM MONITORING
US14/341880	US9203653	US	2014-07-28	METHOD AND APPARATUS FOR SPECTRUM MONITORING
US14/948947	US9825826	US	2015-11-23	METHOD AND APPARATUS FOR SPECTRUM MONITORING
US14/551737	US20150089549	US	2014-11-24	METHOD AND SYSTEM FOR FULL SPECTRUM CAPTURE FOR SATELLITE AND TERRESTRIAL APPLICATIONS
US13/857755	US20130268977	US	2013-04-05	METHOD AND SYSTEM FOR FULL SPECTRUM CAPTURE FOR TERRESTRIAL APPLICATIONS
US13/857776	US20130268978	US	2013-04-05	METHOD AND SYSTEM FOR FULL SPECTRUM CAPTURE FOR SATELLITE AND TERRESTRIAL APPLICATIONS
US2013035387W	WO2013152263	WO	2013-04-05	METHOD AND SYSTEM FOR MULTI-SERVICE RECEPTION
US2013035503W	WO2013152320	WO	2013-04-05	METHOD AND SYSTEM FOR FULL SPECTRUM CAPTURE FOR TERRESTRIAL APPLICATIONS
US13/546704	US8466850	US	2012-07-11	METHOD AND SYSTEM FOR MULTI-SERVICE RECEPTION
US13/845363	US8797220	US	2013-03-18	METHOD AND SYSTEM FOR MULTI-SERVICE RECEPTION
US14/444537	US9258621	US	2014-07-28	METHOD AND SYSTEM FOR MULTI-SERVICE RECEPTION
US13/591768	US9008571	US	2012-08-22	METHOD AND SYSTEM FOR A SINGLE FREQUENCY NETWORK FOR BROADCASTING TO MOBILE DEVICES
US14/684602	US20150326329	US	2015-04-13	METHOD AND SYSTEM FOR A SINGLE FREQUENCY NETWORK FOR BROADCASTING TO MOBILE DEVICES

Application No.	Publication / Patent No.	Country	Filing Date	Title of Patent
US15/019387	US20160156407	US	2016-02-09	METHOD AND SYSTEM FOR A SINGLE FREQUENCY NETWORK FOR BROADCASTING TO MOBILE DEVICES
US2010031627W	WO2010121261	WO	2010-04-19	WIDEBAND TUNER ARCHITECTURE
US14/614543	US9210362	US	2015-02-05	WIDEBAND TUNER ARCHITECTURE
US15/792318	US10313733	US	2017-10-24	WIDEBAND TUNER ARCHITECTURE
US16/430506	US20200162781	US	2019-06-04	WIDEBAND TUNER ARCHITECTURE
US12/762900	US8526898	US	2010-04-19	WIDEBAND TUNER ARCHITECTURE
US13/962871	US9100622	US	2013-08-08	WIDEBAND TUNER ARCHITECTURE
US14/617973	US9210363	US	2015-02-10	WIDEBAND TUNER ARCHITECTURE
US14/948881	US9819992	US	2015-11-23	WIDEBAND TUNER ARCHITECTURE
US14/948907	US9942598	US	2015-11-23	WIDEBAND TUNER ARCHITECTURE
US2010031631W	WO2010121262	WO	2010-04-19	WIDEBAND PERSONAL-RADIO RECORDER
US12/762950	US8892225	US	2010-04-19	WIDEBAND PERSONAL-RADIO RECORDER
US15/400666	US10244283	US	2017-01-06	METHOD AND APPARATUS FOR AN ENERGY-EFFICIENT RECEIVER
US13/356265	US8725104	US	2012-01-23	METHOD AND APPARATUS FOR AN ENERGY-EFFICIENT RECEIVER
US14/274890	US9042851	US	2014-05-12	METHOD AND APPARATUS FOR AN ENERGY-EFFICIENT RECEIVER
US14/719393	US9571885	US	2015-05-22	METHOD AND APPARATUS FOR AN ENERGY-EFFICIENT RECEIVER
US14/316194	US10193645	US	2014-06-26	METHOD AND SYSTEM FOR INTEGRATED STACKING FOR HANDLING CHANNEL STACKING OR BAND STACKING
US16/259021	US20190158200	US	2019-01-28	METHOD AND SYSTEM FOR INTEGRATED STACKING FOR

Application No.	Publication / Patent No.	Country	Filing Date	Title of Patent
				HANDLING CHANNEL STACKING OR BAND STACKING
US13/762939	US8799964	US	2013-02-08	METHOD AND SYSTEM FOR INTEGRATED STACKING FOR HANDLING CHANNEL STACKING OR BAND STACKING
US2013028860W	WO2013131082	WO	2013-03-04	CONFIGURABLE, HIGHLY-INTEGRATED SATELLITE RECEIVER
US15/907404	US10211936	US	2018-02-28	CONFIGURABLE, HIGHLY-INTEGRATED SATELLITE RECEIVER
US13/783130	US9203535	US	2013-03-01	CONFIGURABLE, HIGHLY-INTEGRATED SATELLITE RECEIVER
US14/948436	US9509422	US	2015-11-23	CONFIGURABLE, HIGHLY-INTEGRATED SATELLITE RECEIVER
US15/297595	US9941986	US	2016-10-19	CONFIGURABLE, HIGHLY-INTEGRATED SATELLITE RECEIVER
US13/906933	US20130332967	US	2013-05-31	COMBINED TERRESTRIAL AND SATELLITE CONTENT FOR A SEAMLESS USER EXPERIENCE
US15/692459	US10256898	US	2017-08-31	METHOD AND SYSTEM FOR GUARD BAND DETECTION AND FREQUENCY OFFSET DETECTION
US13/917794	US9100088	US	2013-06-14	METHOD AND SYSTEM FOR GUARD BAND DETECTION AND FREQUENCY OFFSET DETECTION
US14/711057	US9755728	US	2015-05-13	METHOD AND SYSTEM FOR GUARD BAND DETECTION AND FREQUENCY OFFSET DETECTION
US15/840195	US10284899	US	2017-12-13	METHOD AND SYSTEM FOR DIVERSITY COMBINING FOR HIGH-PERFORMANCE SIGNAL RECEPTION
US14/156779	US9571779	US	2014-01-16	METHOD AND SYSTEM FOR DIVERSITY COMBINING FOR HIGH-

Application No.	Publication / Patent No.	Country	Filing Date	Title of Patent
				PERFORMANCE SIGNAL RECEPTION
US15/390900	US9877062	US	2016-12-27	METHOD AND SYSTEM FOR DIVERSITY COMBINING FOR HIGH-PERFORMANCE SIGNAL RECEPTION
US14/154234	US9247274	US	2014-01-14	FLEXIBLE CHANNEL STACKING
US15/006337	US9668018	US	2016-01-26	FLEXIBLE CHANNEL STACKING
US15/582793	US20170238049	US	2017-05-01	FLEXIBLE CHANNEL STACKING
US2010062165W	WO2011079326	WO	2010-12-27	METHODS AND APPARATUS FOR SYNCHRONIZATION IN MULTIPLE-CHANNEL COMMUNICATION SYSTEMS
EP10801782A	EP2517426	EP	2010-12-27	METHODS AND APPARATUS FOR SYNCHRONIZATION IN MULTIPLE-CHANNEL COMMUNICATION SYSTEMS
TW99145966A	TW201145918	TW	2010-12-24	METHODS AND APPARATUS FOR SYNCHRONIZATION IN MULTIPLE-CHANNEL COMMUNICATION SYSTEMS
US15/789372	US10148480	US	2017-10-20	METHODS AND APPARATUS FOR SYNCHRONIZATION IN MULTIPLE-CHANNEL COMMUNICATION SYSTEMS
US12/979270	US8681900	US	2010-12-27	METHODS AND APPARATUS FOR SYNCHRONIZATION IN MULTIPLE-CHANNEL COMMUNICATION SYSTEMS
US13/865489	US8964903	US	2013-04-18	METHODS AND APPARATUS FOR SYNCHRONIZATION IN MULTIPLE-CHANNEL COMMUNICATION SYSTEMS
US14/628627	US9391822	US	2015-02-23	METHODS AND APPARATUS FOR SYNCHRONIZATION IN

Application No.	Publication / Patent No.	Country	Filing Date	Title of Patent
				MULTIPLE-CHANNEL COMMUNICATION SYSTEMS
US15/207085	US9800451	US	2016-07-11	METHODS AND APPARATUS FOR SYNCHRONIZATION IN MULTIPLE-CHANNEL COMMUNICATION SYSTEMS
US15/943141	US10104572	US	2018-04-02	METHOD AND SYSTEM FOR OPTIMIZING BANDWIDTH UTILIZATION IN AN IN-HOME NETWORK
US16/157818	US10292068	US	2018-10-11	METHOD AND SYSTEM FOR OPTIMIZING BANDWIDTH UTILIZATION IN AN IN-HOME NETWORK
US13/301488	US8767554	US	2011-11-21	METHOD AND SYSTEM FOR OPTIMIZING BANDWIDTH UTILIZATION IN AN IN-HOME NETWORK
US14/305417	US9794823	US	2014-06-16	OPTIMIZING BANDWIDTH UTILIZATION IN AN IN-HOME NETWORK
US15/783116	US9936417	US	2017-10-13	METHOD AND SYSTEM FOR OPTIMIZING BANDWIDTH UTILIZATION IN AN IN-HOME NETWORK
US15/878099	US10324871	US	2018-01-23	METHOD AND SYSTEM FOR BUFFER STATE BASED LOW POWER OPERATION IN A MOCA NETWORK
US13/328634	US8788728	US	2011-12-16	METHOD AND SYSTEM FOR BUFFER STATE BASED LOW POWER OPERATION IN A MOCA NETWORK
US14/335989	US9875196	US	2014-07-21	METHOD AND SYSTEM FOR BUFFER STATE BASED LOW POWER OPERATION IN A MOCA NETWORK
US16/444524	US20200073831	US	2019-06-18	METHOD AND SYSTEM FOR BUFFER STATE BASED LOW POWER OPERATION IN A MOCA NETWORK
US13/349856	US8892926	US	2012-01-13	SYSTEM AND METHOD FOR PROVIDING POWER-SAVE OPERATION IN AN IN-HOME

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				COMMUNICATION NETWORK
US14/541349	US9223382	US	2014-11-14	SYSTEM AND METHOD FOR PROVIDING POWER-SAVE OPERATION IN AN IN-HOME COMMUNICATION NETWORK
US14/981102	US9436271	US	2015-12-28	SYSTEM AND METHOD FOR PROVIDING POWER-SAVE OPERATION IN AN IN-HOME COMMUNICATION NETWORK
US13/723897	US20130210345	US	2012-12-21	METHOD AND SYSTEM FOR BROADBAND NEAR FIELD COMMUNICATION UTILIZING FULL SPECTRUM CAPTURE
US2013026367W	WO2013123341	WO	2013-02-15	METHOD AND SYSTEM FOR BROADBAND NEAR FIELD COMMUNICATION UTILIZING FULL SPECTRUM CAPTURE
US15/633146	US20170359678	US	2017-06-26	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION UTILIZING FULL SPECTRUM CAPTURE (FSC) SUPPORTING CONFIGURATION AND REGULATORY REQUIREMENTS
US16/391396	US20200120468	US	2019-04-23	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION UTILIZING FULL SPECTRUM CAPTURE (FSC) SUPPORTING SCREEN AND APPLICATION SHARING
US13/726994	US10051406	US	2012-12-26	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION (BNC) UTILIZING FULL SPECTRUM CAPTURE (FSC) SUPPORTING CONCURRENT CHARGING AND COMMUNICATION
US16/010069	US10251043	US	2018-06-15	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION

Application No.	Publication / Patent No.	Country	Filing Date	Title of Patent
				(BNC) UTILIZING FULL SPECTRUM CAPTURE (FSC) SUPPORTING CONCURRENT CHARGING AND COMMUNICATION
US15/189758	US10264432	US	2016-06-22	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION (BNC) UTILIZING FULL SPECTRUM CAPTURE (FSC) SUPPORTING BRIDGING ACROSS WALL
US15/890495	US10271192	US	2018-02-07	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION UTILIZING FULL SPECTRUM CAPTURE (FSC) SUPPORTING SCREEN AND APPLICATION SHARING
US13/768982	US10356584	US	2013-02-15	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION UTILIZING FULL SPECTRUM CAPTURE (FSC) SUPPORTING PAIRING, CONTENT SHARING AND SECURITY
US13/769004	US10356585	US	2013-02-15	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION UTILIZING FULL SPECTRUM CAPTURE (FSC) SUPPORTING RANGING
US13/769031	US9326090	US	2013-02-15	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION UTILIZING FULL SPECTRUM CAPTURE (FSC) SUPPORTING SCREEN AND APPLICATION SHARING
US13/726965	US9414184	US	2012-12-26	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION (BNC) UTILIZING FULL SPECTRUM CAPTURE (FSC) SUPPORTING BRIDGING ACROSS WALL
US15/138390	US9560477	US	2016-04-26	METHOD AND SYSTEM FOR BROADBAND NEAR-

Application No.	Publication / Patent No.	Country	Filing Date	Title of Patent
				FIELD COMMUNICATION UTILIZING FULL SPECTRUM CAPTURE (FSC) SUPPORTING SCREEN AND APPLICATION SHARING
US13/768940	US9693175	US	2013-02-15	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION UTILIZING FULL SPECTRUM CAPTURE (FSC) SUPPORTING CONFIGURATION AND REGULATORY REQUIREMENTS
US15/391105	US9913082	US	2016-12-27	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION UTILIZING FULL SPECTRUM CAPTURE (FSC) SUPPORTING SCREEN AND APPLICATION SHARING
US15/888705	US20180234740	US	2018-02-05	METHOD AND SYSTEM FOR RECEIVER CONFIGURATION BASED ON A PRIORI KNOWLEDGE OF NOISE
US13/916130	US8990864	US	2013-06-12	METHOD AND SYSTEM FOR RECEIVER CONFIGURATION BASED ON A PRIORI KNOWLEDGE OF NOISE
US14/616397	US9888294	US	2015-02-06	METHOD AND SYSTEM FOR RECEIVER CONFIGURATION BASED ON A PRIORI KNOWLEDGE OF NOISE
US15/903189	US10263801	US	2018-02-23	METHOD AND SYSTEM FOR A HIGH CAPACITY CABLE NETWORK
US13/948401	US9178765	US	2013-07-23	METHOD AND SYSTEM FOR A HIGH CAPACITY CABLE NETWORK
US14/929463	US9621367	US	2015-11-02	METHOD AND SYSTEM FOR A HIGH CAPACITY CABLE NETWORK
US15/444648	US9929871	US	2017-02-28	METHOD AND SYSTEM FOR A HIGH CAPACITY CABLE NETWORK
US15/866106	US10135682	US	2018-01-09	METHOD AND SYSTEM FOR SERVICE GROUP

Application No.	Publication / Patent No.	Country	Filing Date	Title of Patent
				MANAGEMENT IN A CABLE NETWORK
US13/948444	US9419858	US	2013-07-23	METHOD AND SYSTEM FOR SERVICE GROUP MANAGEMENT IN A CABLE NETWORK
US15/228703	US9577886	US	2016-08-04	METHOD AND SYSTEM FOR SERVICE GROUP MANAGEMENT IN A CABLE NETWORK
US15/434673	US9866438	US	2017-02-16	METHOD AND SYSTEM FOR SERVICE GROUP MANAGEMENT IN A CABLE NETWORK
US16/195053	US20190089593	US	2018-11-19	METHOD AND SYSTEM FOR SERVICE GROUP MANAGEMENT IN A CABLE NETWORK
US15/885871	US10271118	US	2018-02-01	ADVANCED FIBER NODE
US14/147628	US9225426	US	2014-01-06	ADVANCED FIBER NODE
US14/979825	US9894426	US	2015-12-28	ADVANCED FIBER NODE
US2014011483W	WO2014113387	WO	2014-01-14	ADVANCED FIBER NODE
US15/652982	US10469166	US	2017-07-18	FEEDBACK-BASED CONFIGURATION OF A HYBRID FIBER-COAXIAL NETWORK
US14/157146	US9461742	US	2014-01-16	FEEDBACK-BASED CONFIGURATION OF A HYBRID FIBER-COAXIAL NETWORK
US15/279653	US9712236	US	2016-09-29	FEEDBACK-BASED CONFIGURATION OF A HYBRID FIBER-COAXIAL NETWORK
US16/674594	US20200067596	US	2019-11-05	FEEDBACK-BASED CONFIGURATION OF A HYBRID FIBER-COAXIAL NETWORK
US15/997183	US10574261	US	2018-06-04	SYSTEM AND METHOD FOR LOW-POWER DIGITAL SIGNAL PROCESSING
US14/243679	US8981977	US	2014-04-02	SYSTEM AND METHOD FOR LOW-POWER DIGITAL SIGNAL PROCESSING
US14/636621	US9306595	US	2015-03-03	SYSTEM AND METHOD FOR LOW-POWER DIGITAL SIGNAL PROCESSING
US15/082989	US9647687	US	2016-03-28	SYSTEM AND METHOD FOR LOW-POWER

Application No.	Publication / Patent No.	Country	Filing Date	Title of Patent
				DIGITAL SIGNAL PROCESSING
US15/587534	US9991906	US	2017-05-05	SYSTEM AND METHOD FOR LOW-POWER DIGITAL SIGNAL PROCESSING
US15/037955	US10122543	US	2014-11-20	METHODS AND SYSTEMS FOR POWER MANAGEMENT IN COMMUNICATION DEVICES BASED ON CABLE CONNECTIVITY
US16/181664	US10848340	US	2018-11-06	METHODS AND SYSTEMS FOR POWER MANAGEMENT IN COMMUNICATION DEVICES BASED ON CABLE CONNECTIVITY
US15/720224	US10432262	US	2017-09-29	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION
US14/537359	US9484986	US	2014-11-10	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION
US15/272060	US9806765	US	2016-09-21	METHOD AND SYSTEM FOR BROADBAND NEAR-FIELD COMMUNICATION
US14/808193	US10104083	US	2015-07-24	METHOD AND APPARATUS FOR MOCA NETWORK WITH PROTECTED SET-UP
US16/161728	US20190098010	US	2018-10-16	METHOD AND APPARATUS FOR MOCA NETWORK WITH PROTECTED SET-UP
US15/812893	US10498768	US	2017-11-14	METHOD AND APPARATUS FOR MOCA NETWORK WITH PROTECTED SET-UP
US14/921667	US9819698	US	2015-10-23	METHOD AND APPARATUS FOR MOCA NETWORK WITH PROTECTED SET-UP
US15/586836	US10015000	US	2017-05-04	METHOD AND APPARATUS FOR MOCA NETWORK WITH PROTECTED SET-UP
US16/026636	US10230515	US	2018-07-03	METHOD AND APPARATUS FOR MOCA NETWORK WITH PROTECTED SET-UP

Application No.	Publication / Patent No.	Country	Filing Date	Title of Patent
US16/299246	US20200044811	US	2019-03-12	METHOD AND APPARATUS FOR MOCA NETWORK WITH PROTECTED SET-UP
US14/857453	US9647817	US	2015-09-17	METHOD AND APPARATUS FOR MOCA NETWORK WITH PROTECTED SET-UP
US14/824792	US10285116	US	2015-08-12	METHOD AND APPARATUS FOR PRE-ADMISSION MESSAGING IN A MOCA NETWORK
US16/404354	US20190297564	US	2019-05-06	METHOD AND APPARATUS FOR PRE-ADMISSION MESSAGING IN A MOCA NETWORK
US16/830986	US20200229077	US	2020-03-26	METHOD AND APPARATUS FOR PRE-ADMISSION MESSAGING IN A MOCA NETWORK
US14/824915	US10075333	US	2015-08-12	METHOD AND APPARATUS FOR ADMISSION TO A MOCA NETWORK
US15/805776	US10374879	US	2017-11-07	METHOD AND APPARATUS FOR DETERMINING MOCA BEACON TRANSMIT POWER
US16/128064	US10659296	US	2018-09-11	METHOD AND APPARATUS FOR ADMISSION TO A PREMISES-BASED CABLE NETWORK
US14/824973	US9813999	US	2015-08-12	METHOD AND APPARATUS FOR DETERMINING MOCA BEACON TRANSMIT POWER
US14/839532	US10284386	US	2015-08-28	METHOD AND APPARATUS FOR PROVIDING A HIGH SECURITY MODE IN A NETWORK
US16/404351	US10756923	US	2019-05-06	METHOD AND APPARATUS FOR PROVIDING A HIGH SECURITY MODE IN A NETWORK
US16/717248	US20200127867	US	2019-12-17	METHOD AND APPARATUS FOR PROVIDING A HIGH

Application No.	Publication / Patent No.	Country	Filing Date	Title of Patent
				SECURITY MODE IN A NETWORK
US15/206049	US10313496	US	2016-07-08	SPECTRUM ABSTRACTION FOR A SHARED COAXIAL CABLE NETWORK
US15/205962	US10142256	US	2016-07-08	TIME AND FREQUENCY ALLOCATION FOR CONCURRENT COMMUNICATIONS ON A SHARED COAXIAL CABLE
US16/001067	US10454653	US	2018-06-06	MIXED-MODE CABLE-BASED NETWORK
US15/211897	US9998270	US	2016-07-15	MIXED-MODE MOCA NETWORK

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;

(c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisionals, registrations of any item in any of the foregoing categories (a) and (b);

(d) all foreign patents, foreign patent applications, and foreign counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

(e) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (d), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(f) causes of action (whether known or unknown or whether currently pending, filed, or otherwise) on account of any of the Patents and/or any item in any of the foregoing categories (b) through (e), including, without limitation, all causes of action and other enforcement rights for

(1) damages,
(2) injunctive relief, and
(3) any other remedies of any kind

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Notwithstanding the foregoing, the Patent Rights exclude the patent applications and patents listed in the table below, together with any and all, existing now or in the future, continuations, continuations-in-part, divisions, extensions, reissues, reexaminations, reviews, and renewals thereof (the " **Excluded Assets**"):

Application No.	Publication / Patent No.	Country	Filing Date	Title of Patent
US15/964615	US10256773	US	2018-04-27	METHOD AND APPARATUS FOR BROADBAND DATA CONVERSION
US13/336451	US9991847	US	2011-12-23	METHOD AND APPARATUS FOR BROADBAND DATA CONVERSION
US2013036379W	WO2013155419	WO	2013-04-12	METHOD AND SYSTEM FOR WIFI COMMUNICATION UTILIZING FULL SPECTRUM CAPTURE (FSC)
US15/964580	US20180249445	US	2018-04-27	METHOD AND SYSTEM FOR WIFI ACCESS POINT UTILIZING FULL SPECTRUM CAPTURE (FSC)
US13/862345	US9125185	US	2013-04-12	METHOD AND SYSTEM FOR WIFI ACCESS POINT UTILIZING FULL SPECTRUM CAPTURE
US13/862339	US9277536	US	2013-04-12	METHOD AND SYSTEM FOR WIFI COMMUNICATION UTILIZING FULL SPECTRUM CAPTURE
US13/862336	US9320019	US	2013-04-12	METHOD AND SYSTEM FOR CHANNEL ALLOCATION AND BANDWIDTH MANAGEMENT IN A WIFI DEVICE THAT UTILIZES FULL SPECTRUM CAPTURE
US14/839201	US9980250	US	2015-08-28	METHOD AND SYSTEM FOR WIFI ACCESS POINT UTILIZING FULL SPECTRUM CAPTURE (FSC)

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Assignor will, at the reasonable request of Assignee, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

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IN WITNESS WHEREOF this Assignment of Patent Rights is executed as of March 31, 2021.

ASSIGNOR:

MaxLinear, Inc.

By: _____
Name: KISHORE SEENDRIPU
Title: CEO
(Signature MUST be attested)

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Kishore Seendripu to the above Assignment of Patent Rights on behalf of MaxLinear, Inc and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Kishore Seendripu is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on March 31, 2021 to execute the above Assignment of Patent Rights on behalf of MaxLinear, Inc.
3. Kishore Seendripu subscribed to the above Assignment of Patent Rights on behalf of MaxLinear Inc.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on March 31, 2021 (date)

_____
Print Name: MICHELLE TARABA

[*Signature Page of Assignment of Patent Rights.*]