UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 12762900

Invention title/Inventor	Patent	Publication	Application	PCT	International registration
WIDEBAND TUNER ARCHITECTURE Madhukar Reddy, Curtis Ling, Tim Gallagher	8526898 Sep 03, 2013	20110105068 May 05, 2011	12762900 Apr 19, 2010		

Assignments (6 of 6 total)

Assignment 6

Reel/frame	Execution date	Date recorded	Properties	Pages
056656/0204	Jun 23, 2021	Jun 23, 2021	1330	112

Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MUFG UNION BANK, N.A.

Correspondent
CT CORPORATION
4400 EASTON COMMONS WAY
SUITE 125
COLUMBUS, OH 43219

Assignee
MAXLINEAR, INC.
5966 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

EXAR CORPORATION
5966 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

MAXLINEAR COMMUNICATIONS LLC
5966 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

Assignment 5

Reel/frame	Execution date	Date recorded	Properties	Pages
055779/0001	Mar 31, 2021	Mar 31, 2021	295	58

Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MUFG UNION BANK, N.A.

Correspondent
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500 WEST MADISON STREET
FLOOR 34
CHICAGO, IL 60661

Assignee
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SUITE 100
CARLSBAD, CALIFORNIA 92008

MAXLINEAR COMMUNICATIONS LLC
5966 LA PLACE COURT
SUITE 100
CARLSBAD, CALIFORNIA 92008

Comcast, Ex. 1170

Assignment 4

Reel/frame	Execution date	Date recorded	Properties	Pages
055898/0230	Mar 31, 2021	Apr 12, 2021	138	23

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
MAXLINEAR, INC.

Correspondent
MOORE & VAN ALLEN PLLC
100 NORTH TRYON STREET, SUITE 4700
CHARLOTTE, NC 28202

Assignee
ENTROPIC COMMUNICATIONS, LLC
1345 AVENUE OF THE AMERICAS
46TH FLOOR
NEW YORK, NEW YORK 10105

Assignment 3

Reel/frame	Execution date	Date recorded	Properties	Pages
053115/0842	Jul 01, 2020	Jul 01, 2020	1235	101

Conveyance
SUCCESSION OF AGENCY (REEL 042453 / FRAME 0001)

Assignors
JPMORGAN CHASE BANK, N.A.

Correspondent
CT CORPORATION
4400 EASTON COMMONS WAY
SUITE 125
COLUMBUS, OH 43219

Assignee
MUFG UNION BANK, N.A.
350 CALIFORNIA STREET, 17TH FLOOR
SAN FRANCISCO, CALIFORNIA 94104

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
042453/0001	May 12, 2017	May 12, 2017	1237	104

Conveyance
SECURITY AGREEMENT

Assignors
MAXLINEAR, INC.
ENTROPIC COMMUNICATIONS, LLC (F/K/A ENTROPIC COMMUNICATIONS, INC.)
EXAR CORPORATION

Correspondent
MICHAEL VIOLET
4400 EASTON COMMONS WAY
SUITE 125
COLUMBUS, OH 43219

Assignee
JPMORGAN CHASE BANK, N.A., AS COLLATERAL AGENT
10 SOUTH DEARBORN, FLOOR L-2
MAILCODE: IL1-1145
CHICAGO, ILLINOIS 60603

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
024628/0565	Jun 28, 2010	Jul 01, 2010	1	2

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
REDDY, MADHUKAR
LING, CURTIS
GALLAGHER, TIM

Assignee
MAXLINEAR, INC.
2051 PALOMAR AIRPORT ROAD, SUITE 100
CARLSBAD, CALIFORNIA 92011-1462

Correspondent
TOWNSEND AND TOWNSEND AND CREW, LLP
TWO EMBARCADERO CENTER
EIGHTH FLOOR
SAN FRANCISCO, CA 94111-3834

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Madhukar Reddy	06/28/2010
Curtis Ling	06/28/2010
Tim Gallagher	06/28/2010

RECEIVING PARTY DATA

Name:	MaxLinear, Inc.
Street Address:	2051 Palomar Airport Road, Suite 100
City:	Carlsbad
State/Country:	CALIFORNIA
Postal Code:	92011-1462

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12762900

CORRESPONDENCE DATA

Fax Number: (415)576-0300
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
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Address Line 4: SAN FRANCISCO, CALIFORNIA 94111-3834

ATTORNEY DOCKET NUMBER:	022287-002710US
NAME OF SUBMITTER:	Ardeshir Tabibi

Total Attachments: 1
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CH $40.00 12762900

Attorney Docket No.: 022287-002710US

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, **Madhukar Reddy** of 2051 Palomar Airport Road, Suite 100, Carlsbad, CA 92011-1462; **Curtis Ling** of 2051 Palomar Airport Road, Suite 100, Carlsbad, CA 92011; and **Tim Gallagher** of 2051 Palomar Airport Road, Suite 100, Carlsbad, CA 92011, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:	WIDEBAND TUNER ARCHITECTURE
Filing Date:	April 19, 2010
Application No.:	12/762,900; and

WHEREAS, **MaxLinear, Inc.**, a corporation of the state of Delaware, located at 2051 Palomar Airport Road, Suite 100, Carlsbad, CA 92011-1462, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 6/28/10

Madhukar Reddy

Dated: 28 June 2010

Curtis Ling

Dated: 6/28/2010

Tim Gallagher

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