



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 11555685

Invention title/Inventor	Patent	Publication	Application	PCT	International registration
BROADBAND SATELLITE SYSTEM FOR THE SIMULTANEOUS RECEPTION OF MULTIPLE CHANNELS USING SHARED ITERATIVE DECODER	7783958		11555685		
Donald Brian Eidson, Arndt Joseph Mueller, Joseph B. Soriaga, Itzhak Gurantz	Aug 24, 2010		Nov 01, 2006		

Assignments (9 of 9 total)

Assignment 9

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 8

Reel/frame	Execution date	Date recorded	Properties	Pages
055899/0291	Mar 31, 2021	Apr 12, 2021	163	41

Conveyance

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors

MAXLINEAR COMMUNICATIONS LLC

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 7

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

MCANDREWS, HELD & MALLOY
500 WEST MADISON STREET
FLOOR 34
CHICAGO, IL 60661

Assignee

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

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

Assignment 6

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 5

Reel/frame	Execution date	Date recorded	Properties	Pages
055776/0482	Feb 13, 2018	Mar 30, 2021	157	9

Conveyance

CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors

ENTROPIC COMMUNICATONS LLC

Correspondent

MCANDREWS, HELD & MALLOY
500 WEST MADISON STREET
FLOOR 34
CHICAGO, IL 60661

Assignee

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

Assignment 4

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 3

Reel/frame	Execution date	Date recorded	Properties	Pages
035717/0628	Apr 30, 2015	May 19, 2015	485	62

Conveyance
MERGER AND CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors
ENTROPIC COMMUNICATIONS, INC.
EXCALIBUR SUBSIDIARY, LLC
ENTROPIC COMMUNICATIONS, LLC

Correspondent
MCANDREWS, HELD & MALLOY, LTD.
500 W. MADISON STREET
CHICAGO, IL 60661

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

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
035706/0267	Apr 30, 2015	May 18, 2015	485	66

Conveyance
MERGER AND CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors
EXCALIBUR ACQUISITION CORPORATION
ENTROPIC COMMUNICATIONS, INC.
ENTROPIC COMMUNICATIONS, INC.

Correspondent
MCANDREWS, HELD & MALLOY, LTD.
500 W. MADISON STREET
CHICAGO, IL 60661

Assignee
ENTROPIC COMMUNICATIONS, INC.
5966 LA PLACE COURT
CARLSBAD, CALIFORNIA 92008

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
018941/0937	Feb 16, 2007	Feb 28, 2007	1	7

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

Assignors
EIDSON, BRIAN
MUELLER, ARNDT
SORIAGA, JOSEPH
GURANTZ, ITZHAK

Correspondent
MICHAEL W. LANDRY
5098 SEACHASE STREET
SAN DIEGO, CA 92130

Assignee

ENTROPIC COMMUNICATIONS INC.
9276 SCRANTON ROAD, SUITE 200
SAN DIEGO, CALIFORNIA 92121

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Brian Eidson</td><td>02/17/2007</td></tr><tr><td>Arndt Mueller</td><td>02/26/2007</td></tr><tr><td>Joseph Soriaga</td><td>02/16/2007</td></tr><tr><td>Itzhak Gurantz</td><td>02/23/2007</td></tr></tbody></table>	Name	Execution Date	Brian Eidson	02/17/2007	Arndt Mueller	02/26/2007	Joseph Soriaga	02/16/2007	Itzhak Gurantz	02/23/2007	
Name	Execution Date										
Brian Eidson	02/17/2007										
Arndt Mueller	02/26/2007										
Joseph Soriaga	02/16/2007										
Itzhak Gurantz	02/23/2007										
RECEIVING PARTY DATA											
Name:	Entropic Communications Inc.										
Street Address:	9276 Scranton Road, Suite 200										
City:	San Diego										
State/Country:	CALIFORNIA										
Postal Code:	92121										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11555685</td></tr></tbody></table>	Property Type	Number	Application Number:	11555685							
Property Type	Number										
Application Number:	11555685										
CORRESPONDENCE DATA											
Fax Number:	(858)509-0184										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	858-229-6801										
Email:	mlandry@iprsolutions.com										
Correspondent Name:	Michael W. Landry										
Address Line 1:	5098 Seachase Street										
Address Line 4:	San Diego, CALIFORNIA 92130										
ATTORNEY DOCKET NUMBER:	9247										
NAME OF SUBMITTER:	Michael W. Landry										
Total Attachments: 5											
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OP \$40.00 11555685

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source=9247-Rec-assgnments-EFS#page5.tif

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Brian Eidson
Arndt Mueller
Joseph Soriaga
Itzhak Gurantz

Execution Date(s) 2/17/07; 2/26/07; 2/16/07; 2/23/07

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Entropic Communication Inc.

Internal Address: _____

Street Address: 9276 Scranton Road, Suite 200

City: San Diego

State: CA

Country: USA Zip: 92121

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11 / 555,685

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Michael W. Landry

Internal Address: _____

Street Address: 5098 Seachase St

City: San Diego

State: CA Zip: 92130

Phone Number: 858-229-6801

Fax Number: _____

Email Address: _____

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 8264
Expiration Date 2/29/2008

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Michael W. Landry
Signature

2/28/2007

Date

Michael W. Landry

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

5

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT OF APPLICATION

Docket Number (Optional)
9247

Whereas, I, Brain Eidson of San Diego, CA, hereafter referred to as applicant, have invented certain new and useful improvements in Broadband Satellite System for the Simultaneous Reception of Multiple Channels using shared iterative decoder

- ☒ for which an application for a United States Patent was filed on 11/01/2006
Application Number 11 / 555,685
- ☐ for which an application for a United States Patent was executed on _____, and

Whereas, Entropic Communication Inc. of San Diego herein referred to "assignee" whose mailing address is 9276 Scranton Road, Suite 200 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 17th day of Feb, 20 07
at 10:30 am

Brain Eidson
(Signature)

State of _____) SS:
County of _____)

Before me personally appeared said _____
and acknowledged the foregoing instrument to be his free act and deed this _____
day of _____, 20 _____.

Seal

(Notary Public)

FROM :

FAX NO. :8585462409

Feb. 26 2007 08:53AM P5

PTO/SB/15 (08-00)

Approved for use through 05/31/2002. OMB 0681-0027

U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ASSIGNMENT OF APPLICATION	Docket Number (Optional) 9247
----------------------------------	---

Whereas, I, Arndt Mueller of San Diego, CA, hereafter referred to as applicant, have invented certain new and useful improvements in Broadband Satellite System for the Simultaneous Reception of Multiple Channels using shared iterative decoder

☒ for which an application for a United States Patent was filed on 11/01/2006
Application Number 11 / 555,685

☐ for which an application for a United States Patent was executed on _____, and

Whereas, Entropic Communication Inc. of San Diego herein referred to "assignee" whose mailing address is 9276 Scranton Road, Suite 200 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 26th day of FEBRUARY, 2007
at _____



(Signature)

State of _____) SS:
County of _____)
Before me personally appeared said _____
and acknowledged the foregoing instrument to be his free act and deed this _____
day of _____, 20____.

Seal _____
(Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

PATENT

REEL: 018941 FRAME: 0941

PTO/SB/15 (08-00)

Approved for use through 05/31/2002. CMB 0651-0027

U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ASSIGNMENT OF APPLICATION

Docket Number (Optional)
9247

Whereas, I, Joseph Soriaga of San Diego, CA, hereafter referred to as applicant, have invented certain new and useful improvements in Broadband Satellite System for the Simultaneous Reception of Multiple Channels using shared iterative decoder

- ☒ for which an application for a United States Patent was filed on 11/01/2006,
Application Number 11 / 555,685
- ☐ for which an application for a United States Patent was executed on _____, and

Whereas, Entropic Communication Inc. of San Diego herein referred to "assignee" whose mailing address is 9276 Scranton Road, Suite 200 is desirous of acquiring the entire right, title and interest in the same;

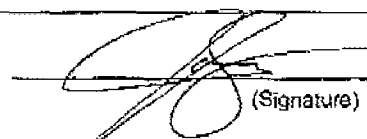
Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States. I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 16 day of February, 20 07
at _____

State of _____ SS:

County of _____

Before me personally appeared said _____
and acknowledged the foregoing instrument to be his free act and deed this _____
day of _____, 20 _____.


(Signature)

Seal

(Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

PATENT

FROM :

FAX NO. : 8585462409

Feb. 26 2007 08:54AM P7

PTO/SB/15 (08-08)

Approved for use through 05/31/2002, OMB 0651-0027

U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ASSIGNMENT OF APPLICATION	Docket Number (Optional) 9247
----------------------------------	---

Whereas, I, Itzhak Gurantz of San Diego, CA hereafter referred to as applicant, have invented certain new and useful improvements in Broadband Satellite System for the Simultaneous Reception of Multiple Channels using shared iterative decoder

☒ for which an application for a United States Patent was filed on 11/01/2006
Application Number 11 / 555,685

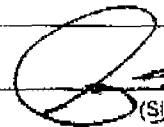
☐ for which an application for a United States Patent was executed on _____, and

Whereas, Entropic Communication Inc. of San Diego herein referred to "assignee" whose mailing address is 9276 Scranton Road, Suite 200 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of ONE dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States.

I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 23 day of Feb, 2007
at _____



 (Signature)

State of _____) SS:
County of _____)
Before me personally appeared said _____
and acknowledged the foregoing instrument to be his free act and deed this _____
day of _____, 20____.

Seal _____
(Notary Public)

Burdon Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

PATENT

RECORDED: 02/28/2007

11

REEL: 018941 FRAME: 0943