504620454 10/31/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4667171 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
SAMUEL J. PETERS II	08/26/2014	
ERIC P. ETHERIDGE	08/26/2014	
VICTOR LEE HANSEN	08/28/2014	
ALEXANDER C. STANGE	08/27/2014	

RECEIVING PARTY DATA

Name:	AVNERA CORPORATION
Street Address:	1600 NW COMPTON DRIVE
Internal Address:	SUITE 300
City:	BEAVERTON
State/Country:	OREGON
Postal Code:	97006

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15799473

CORRESPONDENCE DATA

Fax Number: (503)274-4622

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.

Phone: 503-222-3613

Email: docketing@margerjohnson.com

Correspondent Name: MARGER JOHNSON

Address Line 1: 888 SW 5TH AVENUE, SUITE 1050
Address Line 4: PORTLAND, OREGON 97204

Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER: 1222-0158

NAME OF SUBMITTER: JENNIFER EASLY

SIGNATURE: /jennifer easly/

DATE SIGNED: 10/31/2017

Total Attachments: 8 source=00373570#page1.tif

PATENT 504620454 REEL: 043996 FRAME: 0146

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PATENT REEL: 043996 FRAME: 0147

For good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, Samuel J. Peters II, residing at 6342 S.W. 179th Avenue, Beaverton, OR 97007 who has created a certain invention for which an application for United States Letters Patent entitled SPDIF CLOCK AND DATA RECOVERY WITH SAMPLE RATE CONVERTER filed herewith, does hereby sell, assign and transfer to Avnera Corporation (Avnera), a corporation of the state of Oregon having a place of business at 1600 NW Compton Dr., Suite 300, Beaverton, OR 97006, its successors, assigns, and legal representatives, the full and exclusive right to said invention, derivatives and improvements thereto, and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agrees that Avnera hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives:

The terms "Application" and Application for Letters Patent" as used herein include both provisional and non-provisional applications;

Samuel J. Peters II hereby authorizes the above-mentioned Assignee or its legal representative to insert in this instrument the filing date and serial number of said Application, if applicable, or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document; and

Covenants with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

PATENT REEL: 043996 FRAME: 0428 IN WITNESS WHEREOF I have hereunto set my signature on the date indicated below.

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	SAMUÉL J. PETER	S II, INVENTOR
	Darect His day	of August, 3014
STATE OF OREGON	$\mathcal{O}_{\mathcal{O}}$	0 0 "
Carriedan a C) ss:	
County of		
Before me personally appeare	d said	
	ing instrument to be his/her free act and dee	d this
day of	, 2014.	
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	Notary Public for Or	egon

For good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, Eric P. Etheridge residing at 18275 S.W. Mountain Home Road, Sherwood, OR 97140 who has created a certain invention for which an application for United States Letters Patent entitled SPDIF CLOCK AND DATA RECOVERY WITH SAMPLE RATE CONVERTER filed herewith, does hereby sell, assign and transfer to Avnera Corporation (Avnera), a corporation of the state of Oregon having a place of business at 1600 NW Compton Dr., Suite 300, Beaverton, OR 97006, its successors, assigns, and legal representatives, the full and exclusive right to said invention, derivatives and improvements thereto, and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agrees that Avnera hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives;

The terms "Application" and Application for Letters Patent" as used herein include both provisional and non-provisional applications;

Eric P. Etheridge hereby authorizes the above-mentioned Assignee or its legal representative to insert in this instrument the filing date and serial number of said Application, if applicable, or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document; and

Covenants with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

PATENT REEL: 043999 FRAME: 0499

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		ERIC P	P. ETHERIDGE, INVEN	VTOR
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STATE OF OREGON)		0 0 0	
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County of				
Before me personally appear	ed said			
and acknowledged the forego		o be his/her fre	e act and deed this	
	, 2014.			 ,
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		Notary I	Public for Oregon	

For good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, Victor Lee Hansen residing at 11105 N.W. Skyline Blvd, Portland OR 97231 who has created a certain invention for which an application for United States Letters Patent entitled SPDIF CLOCK AND DATA RECOVERY WITH SAMPLE RATE CONVERTER filed herewith, does hereby sell, assign and transfer to Avnera Corporation (Avnera), a corporation of the state of Oregon having a place of business at 1600 NW Compton Dr., Suite 300, Beaverton, OR 97006, its successors, assigns, and legal representatives, the full and exclusive right to said invention, derivatives and improvements thereto, and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agrees that Avnera hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives;

The terms "Application" and Application for Letters Patent" as used herein include both provisional and non-provisional applications;

Victor Lee Hansen hereby authorizes the above-mentioned Assignee or its legal representative to insert in this instrument the filing date and serial number of said Application, if applicable, or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document; and

Covenants with said Assignce, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

PATENT REEL: 043999 FRAME: 0492

Notary Public for Oregon

IN WITNESS WHEREOF I have hereunto set my signature on the date indicated below.

PATENT REEL: 043996 FRAME: 0493

For good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, Alexander C. Stange residing at 3419 NE 15th Ave., Portland, OR 97212 who has created a certain invention for which an application for United States Letters Patent entitled SPDIF CLOCK AND DATA RECOVERY WITH SAMPLE RATE CONVERTER filed herewith, does hereby sell, assign and transfer to Avnera Corporation (Avnera), a corporation of the state of Oregon having a place of business at 1600 NW Compton Dr., Suite 300, Beaverton, OR 97006, its successors, assigns, and legal representatives, the full and exclusive right to said invention, derivatives and improvements thereto, and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agrees that Avnera hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives;

The terms "Application" and Application for Letters Patent" as used herein include both provisional and non-provisional applications;

Eric P. Etheridge hereby authorizes the above-mentioned Assignee or its legal representative to insert in this instrument the filing date and serial number of said Application, if applicable, or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document; and

Covenants with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

PATENT REEL: 043999 FRAME: 0494 IN WITNESS WHEREOF I have hereunto set my signature on the date indicated below.

| August |

Seal:

day of ______, 2014.

Notary Public for Oregon