

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6729117

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Roland H. Haitz	07/16/2014
George E. Smith	07/15/2014
Robert C. Gardner	05/30/2014
Louis Lerman	08/19/2014
RECEIVING PARTY DATA	
Name:	QUARKSTAR LLC
Street Address:	3455 CLIFF SHADOWS PARKWAY, SUITE 150
City:	LAS VEGAS
State/Country:	NEVADA
Postal Code:	89129
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17321112
CORRESPONDENCE DATA	
Fax Number:	(877)769-7945
<i>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.</i>	
Phone:	(650) 839-5001
Email:	apsi@fr.com
Correspondent Name:	CHRISTOPHER C. BOWLEY
Address Line 1:	FISH & RICHARDSON P.C.
Address Line 2:	P.O.BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	35864-0004005
NAME OF SUBMITTER:	NANCY GRANT
SIGNATURE:	/Nancy Grant/
DATE SIGNED:	05/25/2021
Total Attachments: 8	
source=35864-0004005Assignmentpdf#page1.tif	
source=35864-0004005Assignmentpdf#page2.tif	

source=35864-0004005Assignmentpdf#page3.tif

source=35864-0004005Assignmentpdf#page4.tif

source=35864-0004005Assignmentpdf#page5.tif

source=35864-0004005Assignmentpdf#page6.tif

source=35864-0004005Assignmentpdf#page7.tif

source=35864-0004005Assignmentpdf#page8.tif

Attorney Docket No.: 35864-0004WO1/Q8116-WO

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, ROLAND H. HAITZ, GEORGE E. SMITH, ROBERT C. GARDNER, and LOUIS LERMAN, each individually assign to QUARKSTAR LLC, a corporation formed under the laws of Nevada and having a principal place of business at 3455 Cliff Shadows Pkwy, Suite 150, Las Vegas, NV 89129, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "LIGHT-EMITTING DEVICES PROVIDING ASYMMETRICAL PROPAGATION OF LIGHT", and was filed in the United States Patent and Trademark Office on November 23, 2012, as application PCT/US2012/066463 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and

Assignment Page 1 of 2

Attorney Docket No.: 35864-0004WO1 / QSI16-WO

documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Roland H. Haitz
Roland H. Haitz

Date: 7/16/14

George E. Smith

Date: _____

Robert C. Gardner

Date: _____

Louis Lerman

Date: _____

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: QUARKSTAR LLC

Signature: *Roland H. Haitz*

Date: 7/16/14

Name: Roland Haitz

Title: Consultant

11334134.doc

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, ROLAND H. HAITZ, GEORGE E. SMITH, ROBERT C. GARDNER, and LOUIS LERMAN, each individually assign to QUARKSTAR LLC, a corporation formed under the laws of Nevada and having a principal place of business at 3455 Cliff Shadows Pkwy, Suite 150 , Las Vegas, NV 89129, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "LIGHT-EMITTING DEVICES PROVIDING ASYMMETRICAL PROPAGATION OF LIGHT", and was filed in the United States Patent and Trademark Office on November 23, 2012, as application PCT/US2012/066463 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and



documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Roland H. Haitz

Date: _____


George E. Smith

Date: 07/15/2014

Robert C. Gardner

Date: _____

Louis Lerman

Date: _____

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: QUARKSTAR LLC

Signature: _____ Date: _____

Name: _____

Title: _____

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, ROLAND H. HAITZ, GEORGE E. SMITH, ROBERT C. GARDNER, and LOUIS LERMAN, each individually assign to QUARKSTAR LLC, a corporation formed under the laws of Nevada and having a principal place of business at 3455 Cliff Shadows Pkwy, Suite 150, Las Vegas, NV 89129, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "LIGHT-EMITTING DEVICES PROVIDING ASYMMETRICAL PROPAGATION OF LIGHT", and was filed in the United States Patent and Trademark Office on November 23, 2012, as application PCT/US2012/066463 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and

documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Roland H. Haitz Date: _____

George E. Smith Date: _____

Robert C Gardner
Robert C. Gardner Date: 5/30/14

Louis Lerman Date: _____

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: QUARKSTAR LLC

Signature: _____ Date: _____

Name: _____

Title: _____

11334154.doc

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, ROLAND H. HAITZ, GEORGE E. SMITH, ROBERT C. GARDNER, and LOUIS LERMAN, each individually assign to QUARKSTAR LLC, a corporation formed under the laws of Nevada and having a principal place of business at 3455 Cliff Shadows Pkwy, Suite 150, Las Vegas, NV 89129, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "LIGHT-EMITTING DEVICES PROVIDING ASYMMETRICAL PROPAGATION OF LIGHT", and was filed in the United States Patent and Trademark Office on November 23, 2012, as application PCT/US2012/066463 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and

Assignment Page 1 of 2



documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Roland H. Haitz

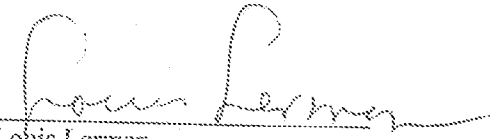
Date: _____

George E. Smith

Date: _____

Robert C. Gardner

Date: _____

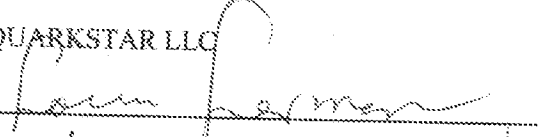


Louis Lerman

Date: 8/19/14

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: QUARKSTAR LLC

Signature: 

Date: 8/19/14

Name: LOUIS LERMAN

Title: Director

11334159.doc