

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Retro Reflective Optics, LLC	07/21/2011

RECEIVING PARTY DATA

Name:	Lateral Research Limited Liability Company
Street Address:	2711 Centerville Rd
Internal Address:	Suite 400, Attn: Dept. 307
City:	Wilmington
State/Country:	DELAWARE
Postal Code:	19808

PROPERTY NUMBERS Total: 15

Property Type	Number
Patent Number:	5510644
Patent Number:	5808349
Patent Number:	6175247
Patent Number:	6301179
Patent Number:	6765245
Patent Number:	6689628
Patent Number:	6930319
Patent Number:	7842972
Patent Number:	7772038
Application Number:	11919299
Patent Number:	6617938
Patent Number:	6906326
Patent Number:	7196349
Patent Number:	5858817

OP \$600.00 5510644

Patent Number:

6169702

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:

5566-MULTIPLE

NAME OF SUBMITTER:

Jeffrey J. Richmond

Total Attachments: 5

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ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Retro Reflective Optics, LLC, a Delaware limited liability company, with an office at 20 Depot St., Ste. 2A, Peterborough, NH 03458 ("*Assignor*"), does hereby sell, assign, transfer, and convey unto Lateral Research Limited Liability Company, a Delaware limited liability company, having an address at 2711 Centerville Rd, Suite 400, Attn: Dept. 307; Wilmington, DE 19808 ("*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*");

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

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
5,510,644	US	09/23/1994	CDTE x-ray detector for use at room temperature Karl A. Harris
5,808,349	US	12/05/1995	Magnetized photoconductive semiconductor switch Konstantinos Papadopoulos
6,175,247	US	04/09/1999	Context switchable field programmable gate array with public-private addressable sharing of intermediate data Jose R. Vazquez
6,301,179	US	05/12/2000	Self-equalized low power precharge sense amp for high speed SRAMS David C. Lawson
6,765,245	US	12/19/2002	Gate array core cell for VLSI ASIC devices Jai P. Bansal
6,689,628	US	08/15/2002	Method for dense pixel fabrication Lawrence F. Depaulis
6,930,319	US	12/12/2003	Method for dense pixel fabrication and product thereof Lawrence F. Depaulis

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
7,842,972	US	12/01/2005	Low-temperature-grown (LTG) insulated-gate PHEMT device and method Dong Xu
7,772,038	US	06/23/2006	CMOS process for fabrication of ultra small or non standard size or shape semiconductor die Daniel N. Carothers
11/919,299	US	10/02/2006	Process to fabricate integrated MWIR emitter Daniel N. Carothers
6,617,938	US	04/01/2002	Return to zero and sampling pulse generating circuits and method for direct digital up conversion James J. Komiak
DE60316422.6	DE	03/24/2003	Return to zero and sampling pulse generating circuits and method for direct digital up conversion James J. Komiak
FR1495540	FR	03/24/2003	Return to zero and sampling pulse generating circuits and method for direct digital up conversion James J. Komiak
GB1495540	GB	03/24/2003	Return to zero and sampling pulse generating circuits and method for direct digital up conversion James J. Komiak
6,906,326	US	07/25/2003	Quantum dot infrared photodetector focal plane array Frederick E. Koch
7,196,349	US	02/17/2005	Resonant cavity enhanced

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
			multi-quantum well light modulator and detector F. Elliott Koch
5,858,817	US	10/10/1996	Process to personalize master slice wafers and fabricate high density VLSI components with a single masking step Jai P. Bansal
6,169,702	US	05/26/1999	Memory device having a chip select speedup feature and associated methods David Lawson

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, (ii) for which any of the Patents directly or indirectly forms a basis for priority, and/or (iii) that incorporate by reference, or are incorporated by reference into, the Patents and that were co-owned patents/applications at the time of such incorporation by reference;

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

(d) all foreign patents, foreign patent applications, and foreign counterparts claiming priority to or from 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 items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents below and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;

(f) inventions, invention disclosures, and discoveries described in any of the Patents and/or any item in the foregoing categories (b) through (e) that (i) are included in any claim in the Patents and/or any item in the foregoing categories (b) through (e) and/or (ii) are subject matter capable of being reduced to a patent claim in a reissue or reexamination proceeding brought on any of the Patents and/or any item in the foregoing categories (b) through (e);

(g) 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 based on any item in any of the foregoing categories (a) through (f), 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;

(h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), 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

for past, current, and future infringement; and

(i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h).

Assignor represents, warrants and covenants that:

(1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and

(2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress under or on account of the Patent Rights. There are no existing contracts, agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

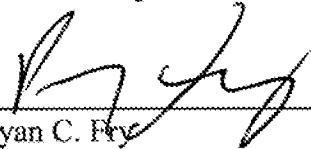
Assignor will, at the reasonable request of Assignee and without demanding any further consideration therefore, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents 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.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Lee, NH
on 7.21.2011.

ASSIGNOR:

Retro Reflective Optics, LLC

By: 
Name: Ryan C. Fry
Title: Asst. Manager
(Signature MUST be attested)

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

The undersigned witnessed the signature of RYAN FRY to the above Assignment of Patent Rights on behalf of Retro Reflective Optics, LLC 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. RYAN FRY is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on JULY 21, 2011 to execute the above Assignment of Patent Rights on behalf of Retro Reflective Optics, LLC.
3. RYAN FRY subscribed to the above Assignment of Patent Rights on behalf of Retro Reflective Optics, LLC.

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 7.21.2011 (date)


Print Name: BETHANY FRY