PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAMES THOMAS MURRAY	08/08/2013

RECEIVING PARTY DATA

Name:	ARETE ASSOCIATES
Street Address:	9301 CORBIN AVENUE
Internal Address:	SUITE 2000
City:	NORTHRIDGE
State/Country:	CALIFORNIA
Postal Code:	91324

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15798383

CORRESPONDENCE DATA

Fax Number:

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.

Email:alex@furmaniplaw.comCorrespondent Name:WM. ALEX FURMAN

Address Line 1: P.O. BOX 1575

Address Line 4: BOULDER, COLORADO 80306

ATTORNEY DOCKET NUMBER:	ARA-044	
NAME OF SUBMITTER:	WILLIAM ALEX FURMAN	
SIGNATURE:	/Wm. Alex Furman/	
DATE SIGNED:	10/31/2017	

Total Attachments: 2

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PATENT 504620281 REEL: 043995 FRAME: 0478

Attorney Docket No.: ARA-003

ASSIGNMENT OF PATENT APPLICATION BY INVENTOR

ATHERMAL LASER GAIN MODULE

Whereas I, an undersigned inventor (hereinafter "INVENTOR"), have invented certain inventions as set forth in the patent application entitled:

which is a U.S. provisional application which bears U.S. application serial No.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

filed _____.

- (a) Sell, assign and transfer to Areté Associates, 9301 Corbin Avenue, Suite 2000 Northridge, CA 91324 (hereinafter "ASSIGNEE"), (1) the entire right, title and interest, and any and all revenues and rights to revenue, for any purpose, associated with commercialization, everywhere in the world, to (A) any and all inventions described in said Application, (B) said Application, (C) any patent that may be granted thereof, (D) any patent applications or patents which may claim priority of (or serve as the basis for a priority claim by) said Application (including but not limited to continuations, divisions, continuations-in-part, substitutes, reissues, reexaminations or extensions thereof, together with all priority rights and counterpart applications under any existing or future international patent conventions, agreements or treaties), and;(2) the right to sue third parties for patent infringement (including but not limited to damages) accruing based on activities occurring prior to the execution date hereof.
- (b) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, reexamination or reissue thereof to the ASSIGNEE.
- (c) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, and to communicate to the ASSIGNEE any facts known to us respecting the improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.

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- Warrant and covenant that no other assignment, license, contract, understanding, interest (d) or other grant to any third party with respect to any of the foregoing has been made, or shall in the future be made, by or on behalf of INVENTOR.
- Covenant not to challenge the validity or enforceability of any of the patent applications or patents assigned to ASSIGNEE hereunder.
- Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the INVENTOR, as well as the INVENTOR's heirs, legal representatives and assigns.
- Authorize and request my attorney/agent to insert above the application number in order (g) to assist with recording of this assignment or any other information necessary to perfect this assignment.

IN TESTIMONY WHEREOF, I, James Tho	mas Murray have executed this document on the
date indicated below.	
Muy	elel13
Signature of Inventor	Date
, () (U	
Longwort, Co	
Inventor's City, State of residence	
Witnessed by:	
w2-2-2=1/	6/9/13
Signature of Witness /	Date
MICAH BOYD	NIWOT, CO
Print Witness Name	Witness' City, State of residence
(2) I de 1 Wohn	8/8/13
Signature of Witness /	Date /
Tyler wagser	Berthoud, CO
Print Witness Name	Witness' City, State of residence

PATENT REEL: 043995 FRAME: 0480