504820024 03/14/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VLADIMIR MATIAS	10/03/2017

RECEIVING PARTY DATA

Name:	IBEAM MATERIALS, INC.
Street Address:	2778A AGUA FRIA STREET
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15675598

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NAME OF SUBMITTER:	PHILIP D. ASKENAZY
SIGNATURE:	/Philip D. Askenazy/
DATE SIGNED:	03/14/2018

Total Attachments: 3

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> **PATENT REEL: 045210 FRAME: 0390** 504820024

ASSIGNMENT OF INVENTION AND PATENT RIGHTS

Inventor:

Vladimir Matias

Serial No.:

15/675,598

Filing Date: August 11, 2017

For valuable consideration received or to be received, and hereby acknowledged, Vladimir Matias of 1123 Paseo Barranca, Santa Fe, New Mexico 87501, (hereinafter referred to as "Inventor"), hereby sells, assigns and transfers unto iBeam Materials, Inc. of 2778A Agua Fria Street, Santa Fe, New Mexico 87507, its successors and assigns (hereinafter referred to as "Assignee"), the entire interest for the United States of America and all foreign countries, including all rights of priority under the international conventions and treaties, in and to a certain invention or improvement known as Group-III Nitride Devices and Systems on IBAD-Textured Substrates, and described in an application filed in the United States Patent and Trademark Office on August 11, 2017, as Attorney Docket No. 33842-3-CIP, and given U.S. Patent Application No. 15/675,598, which is a continuation-in-part application of U.S. Patent Application Serial No. 15/041,017 filed February 10, 2016, which claims priority to U.S. Provisional Patent Application Serial No. 62/114,504 filed February 10, 2015, and to U.S. Provisional Patent Application Serial No. 62/262,815 filed December 3, 2015, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or on any provisional, utility, divisional, continuing, continuationin-part, reissue, reexamination or other applications based in whole or in part thereon. And Inventor agrees hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper in Assignee's sole discretion, to secure to Assignee the grant of Letters Patent in the United States and/or in other countries as Assignee may determine in its sole discretion, with specifications and claims in such form as shall be

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approved by Assignee's counsel, and to vest and confirm in Assignee the legal and equitable title and full use and benefit of all such patents.

Inventor further agrees with Assignee that this Assignment covers all processes, specifications, procedures, techniques and other knowledge and information now or hereafter known to Inventor which are not in the public domain and which relate to the above-mentioned invention or improvement, its manufacture, uses or embodiments, or other matters (the "Related Know-How"). Inventor agrees to disclose or provide all Related Know-How to Assignee when discovered or upon request.

Inventor further covenants that Inventor will promptly provide to Assignee, upon its request, with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to Inventor and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to Assignee or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

Inventor's rights in the above-mentioned invention or improvement and Related Know-How and any patent application(s) and Letters Patent thereon have not been previously assigned, mortgaged or otherwise encumbered, and Inventor has full right, power and authority to assign all such rights to Assignee hereunder.

As used herein, the terms "Inventor" and "Assignee" shall include such parties and their heirs, administrators, estates, successors and assigns of every kind.

Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office, and all foreign countries' equivalent officials, to issue such Letters Patent as shall be granted on said application or applications based thereon to Assignee.

PATENT REEL: 045210 FRAME: 0392

DATED this 3rd day of October	, 2017.
<u>Vladinir lletias</u> Vladimir Matias	
STATE OF NEW MEXICO)	
COUNTY OF <u>Santa</u> Pe	
This instrument was acknowledged before me this 3dd day of Dctober by Vladimir Matias.	, 2017
My commission expires: My commission expires: Notary Public	
OFFICIAL SEAL Maribel Saenz NOTARY PUBLIC - State of New Mexico	

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RECORDED: 03/14/2018