506218588 08/24/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
HIROSHI TAKAHASHI	03/23/2016

RECEIVING PARTY DATA

Name:	GEMOLOGICAL INSTITUTE OF AMERICA, INC. (GIA)
Street Address:	5345 ARMADA DRIVE
City:	CARLSBAD
State/Country:	CALIFORNIA
Postal Code:	92008

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16697164

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ATTORNEY DOCKET NUMBER:	353397-166055 / GIA-2100
NAME OF SUBMITTER:	BLAKE W. JACKSON
SIGNATURE:	/Blake W. Jackson/
DATE SIGNED:	08/24/2020

Total Attachments: 3

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PATENT 506218588 REEL: 053580 FRAME: 0780

Attorney Docket No.: GIA 2100, 353397-165970 Sole Inventor- Non-Provisional

ASSIGNMENT

WHEREAS, I, Hiroshi TAKAHASHI, having a correspondence address at 2215N Central Road, 2F, Fort Lee, New Jersey 07024, United States; made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled

APPARATUS AND METHOD FOR ASSESSING OPTICAL QUALITY OF GEMSTONES

V	which is ide	entified I	by Attorney	/ Docket No	. <u>353397-16</u>	<u>5970</u>
7	which was	filed as	Serial No.	14/673,776	on <u>March 3</u>	0, 2015

WHEREAS, <u>GEMOLOGICAL INSTITUTE OF AMERICA, INC. (GIA)</u>, a corporation of the State of California and whose address is <u>5345 Armada Drive</u>, <u>Robert Mouawad Campus</u>, <u>Carlsbad</u>, <u>California 92008</u>, and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, effective as of the date signed, I hereby, without reservation:

- 1. Assign, transfer and convey to Assignee the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues, reexamination or and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent, and all rights under all International Conventions for the Protection of Industrial Property;
- 2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;
- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein, or otherwise as Assignee may direct;
- 4. Warrant that we have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
- 5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications WESTY268711078.1

PATENT REEL: 053580 FRAME: 0781 and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of our heirs, legal representatives or assigns which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

6. Grant the attorneys of record the power to insert on this Assignment the serial number of said Application as further identification of said Application in order to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

IN WITNESS WHEREOF:

Hiroshi Takuhashi	3/23/20/6
Hiroshi TAKAHASHI	Date
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.	
STATE OF CALIFORNIA)) ss.	
COUNTY OF	
On	, proyed to me on the basis of
Lectify under the PENALTY OF PERJURY foregoing paragraph is true and correct. Witness	Y under the laws of the State of California, the my hand and official seal. (see attached
Notary Public	
(Seal)	

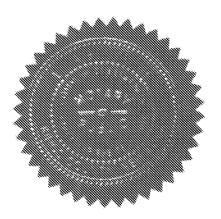
State of New York)			
Nie wied.) SS:			
County of New YOIK	_)			
On the 23th day of	March	in the year_	2016	before me, the
undersigned, personally appe				
to me or proved to me on the	basis of satisfact	ory evidence to b	e the indiv	idual(s) whose
name(s) is (are) subscribed t	o the within instr	ument and ackno	wledged to	o me that
he/she/they executed the sa	me in his/her/the	eir capacity (ies),	and that b	y his/her/their
signature(s) on the instrume				
individual(s) acted, executed	the instrument.			
DN-				

Notary Public

Printed Name: LTLIA BENYAMIN

My Commission Expires: March 22,2018

LILIA BENYAMIN
MOTARY PUBLIC STATE OF NEW YORK
No. 01BE6219278
Qualified in Kings County
My Commission Expires March 22, 2018



PATENT REEL: 053580 FRAME: 0783

RECORDED: 08/24/2020