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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SAMEER WALAVALKAR	02/23/2015
CHIEH-FENG CHANG	02/20/2015
AXEL SCHERER	03/20/2015

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14621286

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SIGNATURE:	/Jiancong Xu, Reg. No. 71,952/
DATE SIGNED:	03/24/2015

Total Attachments: 4

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PATENT 503233729 REEL: 035246 FRAME: 0163

Attorney Docket No: P1639-US

ASSIGNMENT

We, Sameer WALAVALKAR, residing in the United States of America with a mailing address at 3912 Laurel Canyon Blvd., Apt. 308, STUDIO CITY, CA 91604.

Chieh-feng CHANG, residing in the United States of America with a mailing address at 1055 E. Union Street, #2, PASADENA, CA 91106, and

Axel SCHERER, residing in the United States of America with a mailing address at P.O. Box 5, BARNARD, VT 05031

hereby sell and assign for good and valuable consideration, the receipt of which we hereby acknowledge,

to CALIFORNIA INSTITUTE OF TECHNOLOGY, an entity having its principal place of business in the United States of America at 1200 E. California Blvd., M/C 210-85, PASADENA, CA 91125

hereinafter referred to as the assignee, its successors, assigns and nominees, our entire right, title and interest, including all priority rights under U.S. law and/or International conventions and treaties, in and to the "REFLOWED GOLD NANOSTRUCTURES FOR SURFACE ENHANCED RAMAN SPECTROSCOPY"

invented by us, as described and/or claimed in U.S. Provisional Application No. 61/938,784, filed on February 12, 2014; U.S. Provisional Application No. 62/049,256, filed on September 11, 2014; U.S. Provisional Application No. 62/046,628, filed on September 5, 2014; U.S. Provisional Application No. 62/065,224, filed on October 17, 2014; in the corresponding U.S. Patent Application No. 14/621,286, filed on February 12, 2015; and in any other related patent applications filed and/or to be filed not only for, to and in the United States of America its territories and possessions, but also for, to and in all other countries, including any and all divisions, reissues, continuations, continuations-in-part and extensions of said U.S. Patent Application and any and all International patent applications related to said U.S. Provisional Application No.

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61/938,764, U.S. Provisional Application No. 62/049,256, U.S. Provisional Application No. 62/046,628, U.S. Provisional Application No. 62/065,224, and/or U.S. Patent Application No. 14/621,286, and authorize and request any officials whose duty it is to issue patents, to issue any patent on said "REFLOWED GOLD NANOSTRUCTURES FOR SURFACE ENHANCED RAMAN SPECTROSCOPY" and/or improvements thereof or resulting therefrom to said assignee or its successors, assigns or nominees, and agree to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part and/or reissue applications, make all rightful oaths and/or declarations and generally do everything possible to aid said assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in the United States of America and in all other countries.

Subscribed and executed at_	Los Angeles	WSA		
on 2/23/15	City [*]	Country		
Date	Internation Marina Dame		<u>,</u>	
	Inventor Name: Same	SOL AMEWANTEN		
	Inventor Signature	<u> </u>		
Witnessed by:	w	4 -		
Witness Name: 9/0////	<u> // // // // Signature</u>			ggreen t
Witness Name: \(\lambda \lambda \text{UT (n)}	N SAM Signature	1 Ruce		

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Subscribed and executed at R	asadena, CA	U.S.A.
On Feb/20/2015	City	Country
an had had	Inventor Name: Chieh-f	eng CHANG
	Inventor Signature	uty day
Witnessed by:		ì
Witness Name: <u>Soyce Wo</u>	N샵 Signature	Sun Dens
Witness Name: <u>SAMETR</u>	WACAM Signature_	DAMAS.
Subscribed and executed at		
	City	Country
On Date	Inventor Name: Axel SC	urnen
	inventor Name. Axer 30	HEKEK
	Inventor Signature	
Witnessed by:		
Witness Name:	Signature	
Witness Name:	Signature	

Subscribed and executed at		
	City	Country
On Date		
2 3.10	Inventor Name: Chieh-feng CHANG	
	Inventor Signature	
Witnessed by:		
Witness Name:	Signature_	
Witness Name:	Signature_	
Subscribed and executed at	Pasadena CA) LA
on M . 1 20 2016	City	Country
On March 20,2015 Date		
	Inventor Name: Axel	SCHERER
	Inventor Signature	Sul Sher
Witnessed by:		
Witness Name: Kate Fig	<u>Signature_</u>	Kate Finigan
Witness Name: EVIKA G		(22 / L