U.S. PTO 12/287549 10/10/2008

U.S. DEPARTMENT OF COMMERCE **Patent and Trademark Office**

10-27-2008 ATTORNEY DOCK

ORM COVER SHEET TS ONLY 103531883 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Alexandre M. Bratkovski HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. Ekaterina Viktorovna Ponizovskaya 20555 SH 249 Houston, TX 77070 Zhiyong Li Additional name(s) of conveying party(ies) attached?

Yes

No Additional name(s) and address(es) attached?

Yes

No 3. Nature of Conveyance: ■ Assignment
 ■ Assignment Merger ☐ Change of Name □ Security Agreement Joint Other Execution Date(s):10/10/08; 10/10/08; 10/10/08 4. Application number(s) or patent number(s): If this document is being filed together with a new application, execution date of the application is: 10/10/2008 A. Patent Application No.(s) Application No.: Date Filed: Confirmation No.: B. Patent No.(s): Additional numbers attached? NO 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence

concerning document should be mailed:

Records Manager Intellectual Property Administration **HEWLETT-PACKARD COMPANY**

P.O. Box 272400

Fort Collins, Colorado 80527-2400

7. Total Fee (37 CFR 3.41):.....\$40.00

_Enclosed

X Authorization to be charged to deposit account.

8. Deposit Account Number: 08-2025

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

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Richard L. Bell Name of Person Signing

40.00 DA

October 10, 2008

Total number of pages including coversheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

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Rev 10/06e (Assignment)

PATENT APPLICATION

ATTORNEY DOCKET NO.

200800049-1

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its subsidiaries and affiliates, and do hereby assign and transfer to HPDC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

PLASMONIC ELECTRIC-FIELD CONCENTRATOR ARRAYS AND SYSTEMS FOR PERFORMING RAMAN SPECTROSCOPY Filing Date: Application No.: and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-i-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HPDC to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire Interest herein assigned, and that I/ we have not executed and will not execute any agreement in conflict herewith, and t/we further covenant and agree that live will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and live agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals. continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC: AND two hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment. liwe further authorize and direct the attorneys of record to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office. S,WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Inventor's Signature (Seal) Alexandre M. Bratkovski Inventor's Typed Name State of County of Before me this personally appeared Alexandre M. Bratkovski who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and dead.

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PATENT

My Commission Expires:

HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Colins, Colorado 80527-2400

PATENT APPLICATION

200800049-1 ATTORNEY DOCKET NO. __

ASSIGNMENT OF PATENT APPLICATION (cont.)

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- 6hart		Date Assignment Signed
Inventor's Signature (Seal)		Date Assignment Signed
Eksterina Viktorovna Ponizovskaya		Date Application Stored
Inventor's Typed Name		Date Application Signed
••		•
State of	· ,	
) as.:	
County of)	
Before me this day of	, personally appeared	Ekaterina Viktorovna Pontzovakaya who is personal
	of satisfactory evidence to be t	he person who acknowledged the foregoing instrument of
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		My Commission Expires:
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inventor's Signature (Seaf)	———	D 10 2008 Date Assignment Signed 0 10 2008
morning Strantine (SESI)		Date Assignment Stoned
Zhiyong Li		10/10/2008
Inventor's Typed Name		Date Application Signed
State of)	
) as.:	•
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Before me this day of	, personally appeared	Zhiyong Li who is personali
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	-	Notary Public
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nventor's Signature (Seal)	·	Date Assignment Signed
nventor's Typed Name		Date Application Signed
State of	· \	
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Sefore me this day of		الله على الماليات
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Rev 10/06e (Assignment)	Page:2 of:2	•

PATENT REEL: 021751 FRAME: 0771

RECORDED: 10/10/2008