ATTORNEY DOCKET NO. 828530	50 (2009636 RECORDATION F	ORM CC	11/14/2011 103636289	MERCE k Office
Name of conveying party(ies):		2. Name a	nd address of receiving party(ies):	
Dmitri Strukov		HEWLET	T-PACKARD DEVELOPMENT CO	MPANVID
R Stanley Williams Yevgeniy Eugene Shteyn		11445 Compaq Center Drive West		
		Houston, TX 77070		
			Recu	Rocalied division
Additional name(s) of conveying party(ies) at 3. Nature of Conveyance:	tached?	Additional n	ame(s) and address(es) attached?	es 🗷 No
		CA 1	□• " • •	—
	☐ Change o	i Name	Security Agreement	Joint
Other				
Execution Date(s):7/22/2009; 7/22/2009 4. Application number(s) or patent numb If this document is being filed together A. Patent Application No.(s) Application No.: 13/259168 Confirmation No.:1513 Additional numbers attached? NO 5. Name and address of party to whom of concerning document should be maile Records Manager	er(s): with a new application Date Filed: B. Patent Numberspondence d:	Sept 23, 20 o.(s): 6. Total nu 7. Total Fe		/olved:1
Intellectual Property Administration HEWLETT-PACKARD COMPANY 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528		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 belie copy of the original document. Debbie Syrmis Name of Person Signing Total number of pages Documents to be recorded (i	Signal sincluding covershee	ature m	11/14/2011 DTIMBERL 0000006 01 FC:8021 November®, I2 Date	7 082025 13239168
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450 Page 1 of 1				

Rev 09/11 (RecdAsgn)

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

PATENT APPLICATION

ATTORNEY DOCKET NO.

200903086 (82853050)

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:

subsidiaries and affiliates, and do here title and interest, including the right of	by assign and transfer to priority, in, to and under	o HPDC, its successors and as an application for Letters Paten	signs, the entire right, It of the United States
entitled:	DOUT		V.
RECONFIGURABLE MULTILAYER CI	RCUII	**************************************	
Filing Date: 9/23/20) AI	oplication No.: $13/a$	259168
and the invention(s) and improvement(s) set forth therein, and	I any and all continuations, cont	inuations-in-part (C-I-
P's), divisionals, and renewals of and s	ubstitutes for said appli	cation for said Letters Patent, ar	nd any and all Letters
Patent of the United States and of correissues, or reexaminations, or extension	and es foreign thereto a	which may be granted thereon of	or ineretore; and any
I/we additionally authorize HP	DC to file applications in	n my/our name for Letters Patent	in any country to be
held and enjoyed by HPDC, its success	sors, assigns, nominees	or legal representatives, to the	full end of the term or
terms for which said Letters Patent res	pectively may be grant	ed, reissued or extended, as ful	ly and entirely as the
same would have been held and enjoye	o by me/us nad this as:	signment, and transfer not been convey the entire interest herein	made;
we have not executed and will not executed	st time have this light to	conflict herewith and I/we further	r covenant and inat I/
that I/we will, each time a request is ma	ede, and without undue	delay, execute and deliver all su	ich papers as may be
necessary or desirable to perfect the t	itle to said invention(s)	or improvement(s), said applica	ntion and said Letters
Patent, to HPDC, its successors, assi	gns, nominees or legal	representatives, and I/we agre	e to communicate to
HPDC, or to its nominee, all known fac	its respecting said inve	ntion(s) or improvement(s), said	application and said
Letters Patent, to testify in any legal procontinuations, C-I-P's, reissue and fore			
do everything possible to aid HPDC,			
enforce, for its or their own benefit, pro	oper patent protection f	or said invention(s) or improven	nent(s) in any and all
countries provided the expenses which	may be incurred by m	e/us in lending such cooperatio	n and assistance are
paid by HPDC;			
		ioner of Patents and Trademarks	
and any official of any country or co- applications as aforesaid, to issue to h			
Patent for said invention(s) or improver			
be issued and granted on or as a result			
I/we further authorize and dire	ect the attorneys of rec	ord to insert the serial number a	and filing date of said
application now identified by the attorn			the same shall have
been made known to them by the United	3 States Patent and Tra	demark Office.	
IN WITNESS WHEREOF, I/we he	reunto set my/our hand(s		
GHA		07/22/	09
Inventor's Signature (Seal)	!	Date Assignment Signed	
Dmitri Borisovich Strukov		O7/72/6 Date Application Signed	9
Inventor's Typed Name		Date Application Signed	
State of)		
) ss.:		
County of	j		
Before me this day of , pe	ersonally appeared	Dmitri Borisovich Strukov	who is personally
known or proved to me on the basis of sa			
assignment to be his/her free act and deed.	•		
		Notary Public	
Pay 10/08 (Assignment)	Page 1 of 2	My Commission Expires:	

PATENT

REEL: 027328 FRAME: 0439

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

PATENT APPLICATION

ATTORNEY DOCKET NO. 200903086 (82853050)

ASSIGNMENT OF PATENT APPLICATION (cont.)

// IN WITNESS WHEREOF	, I/we hereunto set my/our hand	(s) and seal(s):
1 Halling		0D/22/2009
Inventor's Signature (Seal)		Date Assignment Signed
D. Staniou Milliana		0)/22/2009
R. Stanley Williams Inventor's Typed Name		Date Application Signed
••		, , , , , , , , , , , , , , , , , , ,
State of	·)	
Canata at) ss.:	
County of)	
Before me this day of known or anythe be	, personally appeared	R. Stanley Williams who is person the person who acknowledged the foregoing instrumen
assignment to be his/her free act ar	id deed.	the person who acknowledged the foregoing instrumer
		Notary Public
		My Commission Expires:
		: !
41.	1	
Will Me	42	7/23/09
Inventor's Signature (Seal)		Date Assignment Signed
arroman a digitatura (ddar)		
Yevgeniy Eugene Shteyn		7/23/09
Inventor's Typed Name		Date Application Signed
State of		
oale o)) ss.:	
County of) ss)	
Before me this day of	, personally appeared	Yevgeniy Eugene Shteyn who is person
known or proved to me on the bas	sis of satisfactory evidence to be	the person who acknowledged the foregoing instrumer
assignment to be his/her free act an	d deed.	
		Notary Public
		My Commission Expires:
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Inventor's Signature (Seal)	· · · · · · · · · · · · · · · · · · ·	Date Assignment Signed
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mentor a rypour mante		Date Application Signed
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Before me this day of	, personally appeared	who is person
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assignment to be his/her free act an	i deed.	
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RECORDED: 11/14/2011