PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7599536

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNOR TO KUEKES, PHILIP J. previously recorded on Reel 026423 Frame 0892. Assignor(s) hereby confirms the ASSIGNOR CURRENTLY KUEKES, PHILLIP J

CONVEYING PARTY DATA

Name	Execution Date
NATHANIEL J. QUITORIANO	02/10/2009
DOUGLAS OHLBERG	02/11/2009
PHILIP J. KUEKES	02/12/2009
JIANHUA YANG	04/20/2009

RECEIVING PARTY DATA

Name:	Hewlett-Packard Development Company, L.P.	
Street Address:	11445 Compaq Center Drive West	
City:	Houston	
State/Country:	TEXAS	
Postal Code:	77070	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13130801

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	200802315US01
NAME OF SUBMITTER:	TRACI THOMAS
SIGNATURE:	/Traci Thomas/
DATE SIGNED:	10/19/2022

Total Attachments: 3

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TTORNEY DOCKET NO. 200802315US1	05/31/2011	DEPARTMENT OF COMMERCE Patent and Trademark Office
REC REC		
5/3///	103626141	
1 Name of conveying party(ies)	2 Name and address of	receiving party(ies)
Nathaniel J Quitoriano	HFWLETT-PACKARD	DEVELOPMENT COMPANY, L P
Douglas Ohlberg	11445 Compaq Center	
Phillip J Kuekes	Houston, TX 77070	
Jianhua Yang		MAY 2011 E COrds DIVISION
Additional name(s) of conveying party(ies) attached?	Yes No Additional name(s) and add	dress(es) attached? ☐Yes ☒No
3 Nature of Conveyance	_	
■ Assignment	☐ Change of Name ☐ Sec	curity Agreement
Other		
4 Application number(s) or patent number(s) If this document is being filed together with a new A Patent Application No (s) Application No 13/130801 Confirmation No 1092	ew application, execution date of the Date Filed May 24, 2011 B Patent No (s)	application is
Additional numbers attached? NO	B Paterit No (S)	
Name and address of party to whom correspor	ndence 6 Total number of appl	lications and patents involved 1
concerning document should be mailed	7 Total Fee (37 CFR 3	
Records Manager		
Intellectual Property Administration	Enclosed	
HEWLETT-PACKARD COMPANY 3404 E. Harmony Road	X Authorization to	be charged to deposit account
Mail Stop 35 Fort Collins, Colorado 80528	8 Deposit Account Nu	mber <u>08-2025</u>
9 Statement and signature		
To the best of my knowledge and belief, the followy of the original document		
Debbie Syrmis Name of Person Signing	la la "	1/2011 AMULLINS 00000040 082025 131 C:8021 May 24.60 1 1 Date
Total number of pages ıncludı	ng coversheet, attachments, and doc	uments4
Documents to be recorded (including Mail Stop Assignment Recordation Services	g cover sheet) should be faxed to (57°, Director of the USPTO, P.O. Box 14	1) 273-0140, or mailed to 450, Alexandria, V A 22313-1450
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Rev 10/09 (RecdAsgn)

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

Rev 10/06 (Assignment)

ATTORNEY BOCKET NO. 200802315-1/501

		TENT APPLICATION
DEVELOPMENT COMPANY, L.P., a To	exas Limited Partne rance of mylour o	and hereby agree to assign to HEWLETT-PACKARD ership having its principal place of business in Houston, obligations to the Hewlett-Packard Company and its
subsidiaries and affiliates, and do hereb title and interest, including the right of p entitled:	y assign and transfi riority, in, to and un	for to HPDC, its successors and assigns, the entire right, and application for Letters Patent of the United States
USING ALLOY ELECTRODES TO DO	PE MEMRISTORS	
= lo 1 lu		121.20001
Filing Date: 5/24/11		Application No.: 13/13080
and the invention(s) and improvement(s	s) set forth therein,	and any and all continuations, continuations in-part (C-lapplication for said Letters Patent, and any and all Letters
Patent of the United States and of cou	untries foreign there	eto which may be granted thereon or therefore; and any
reisaues, or reexaminations, or extension	ons of said Letters P	Palent.
I/we additionally authorize HPI	C to file application	ns in my/our name for Letters Patent in any country, to be
held and enjoyed by HPDC, its success terms for which said Letters Patent res	iors, assigns, nomin Dectively may be al	nees or legal representatives, to the full end of the term o granted, reissued or extended, as fully and entirely as the
same would have been held and enjoye	ed by me/us had this	s assignment, and transfer not been made;
AND I/we hereby covenant the	at Liwe have full righ	nt to convey the entire interest herein assigned, and that I
we have not executed and will not executed that they will exact time a request is many	cute any agreement	t in conflict herewith, and I/we further covenant and agree due delay, execute and deliver all such papers as may be
necessary or desirable to perfect the ti	itle to said inventior	n(s) or improvement(s), said application and said Letter
Patent, to HPDC, its successors, assi	gns, nominees or le	legal representatives, and I/we agree to communicate to
HPDC, or to its nominee, all known fac	ts respecting said i	invention(s) or improvement(s), said application and said all lawful papers, to execute all disclaimers and divisionals
continuations. C-I-P's, reissue and fore	ion applications, to	make all rightful caths and declarations, and generally to
do everything possible to aid HPDC.	its successors, ass	signs, nominees and legal representatives to obtain and
enforce, for its or their own benefit, pro	oper patent protecti	ion for said invention(s) or improvement(s) in any and a by me/us in lending such cooperation and assistance are
paid by HPDC;	i may be incomed b	by therus in lengthy such cooperation and assistance an
AND I/we hereby authorize an	d request the Comm	missioner of Patents and Trademarks of the United State
and any official of any country or co	untries foreign to t	the United States whose duty it is to issue patents or
applications as atoresaid, to issue to i	-1PDU, as assignee ment/s) including a	e of the entire right, title and interest, any and all Letter any and all Letters Patent of the United States which ma
be issued and granted on or as a result	of the application a	aforesaid, in accordance with the terms of this assignment
I/we further authorize and dir	ect the attorneys of	f record to insert the serial number and filing date of sale
application now identified by the attorn been made known to them by the Unite		and title set forth above as soon as the same shall have
•		
IN WITNESS WHEREOF, I/we he	reunto set my/our na	· · · · · · · · · · · · · · · · · · ·
letter to the		2 · 10 · 0 · 9 Date Assignment Signed
invelter sessionature (Seal)		•
Nathaniel J. Quitoriano		2 10 04
Inventor's Typed Name		Date Application Signed
Olever of		
State of)	
County of) ss .:	
	ersonally appeared	Nathaniel J. Quitoriano who is personal
	- · · · · · · · · · · · · · · · · · · ·	to be the person who acknowledged the foregoing instrument
assignment to be his/her free act and deed	•	
		Notary Public
Rev (DOS (Assignment)	Page 1	My Commission Expires: 1 of 2

PATENT

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

PATENT APPLICATION

ATTORNEY DOCKET NO. 200802315-1/50

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITHESS WHEREO	F, I/we hereunto set my/our hand(s) an	2/11/09	
July 101 C	the p	Date Assignment Signed	
inventory Signature (Seal)			
Douglas Ohlberg		2/11/09	
nventor's Typed Name		Date Application Signed	
State of)		
County of) 55 :)		
Before me this day of	, personally appeared	Dougles Ohlberg	who is personally
known or proved to me on the	basis of satisfactory evidence to be the	person who acknowledged the f	bregoing instrument of
assignment to be his/her free act	and deed.		
		Notary Public My Commission Expires:	
	m		
	11000	2-10	, - 07
Inventor's Signature (Sesi)		Date Assignment Signed	
m		2-18	-09
Philip J. Kuekes Inventor's Typed Name		Date Application Signed	
minutes o vypas value			
State of)		
) ss .:		
County of)		
Before me thisday of	, personally appeared	Philip J. Kuekes	who is personally
known or proved to me on the assignment to be his/her free acl	basis of satisfactory evidence to be the and deed.	person who acknowledged the t	oregoing anstrument or
Condition to the internal control		Notary Public	
	2	My Commission Expires:	
2)	Yh	Date Assignment Signed Date Application Signed	20/200
Inventor's Signature (Seel)	-0 () -1	Data Assignment Signed	, , ,
Jianhua Yang		1897 6	20/200
Inventor's Typed Name		Date Application Signed	
State of	1		/
COMPANY OF)) ss		
County of)		
Before me thisday of	, personally appeared	Jianhua Yang	who is personally
	basis of satisfactory evidence to be the	person who acknowledged the	foregoing instrument of
ausignment to be his/her free ac	. and deed.	Notary Public	
		My Commission Expires.	
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RECORDED: 06/39/2022