PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2897585

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MORAY MCLAREN	03/02/2012
PAUL KESSLER ROSENBERG	02/01/2011
MICHAEL RENNE TY TAN	02/01/2012
TERREL MORRIS	02/01/2012

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:	14365294

CORRESPONDENCE DATA

Fax Number: (970)778-4063

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.

5417158443 Phone: Email: ipa.mail@hp.com

Correspondent Name: HEWLETT-PACKARD COMPANY Address Line 1: 3404 E. HARMONY ROAD, M/S 35

Address Line 2: INTELLECTUAL PROPERTY ADMINISTRATION

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	83959900	
NAME OF SUBMITTER:	DENISE HENNING-WILSON	
SIGNATURE:	/Denise Henning-Wilson/	
DATE SIGNED:	06/13/2014	

Total Attachments: 2

source=83959900ExecutedAssignment#page1.tif source=83959900ExecutedAssignment#page2.tif

> **PATENT REEL: 033098 FRAME: 0182** 502850988

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID:	82835629

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:

HYBRID ELECTRO-OPTICAL PACKAGE FOR AN OPTO-ELECTRONIC ENGINE

Filing Date: 31 Jan 2012	application No.: PCT/US12/23219
and the invention(s) and improvement(s) set forth therein, an	
P's), divisionals, and renewals of and substitutes for said app	lication 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 Pate	
	in my/our name for Letters Patent in any country, to be
held and enjoyed by HPDC, its successors, assigns, nominee	s or legal representatives to the full and of the term or
terms for which said Letters Patent respectively may be gran	
same would have been held and enjoyed by me/us had this as	
	convey the entire interest herein assigned, and that I/
we have not executed and will not execute any agreement in	
that I/we will, each time a request is made, and without undue	
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 lega	
HPDC, or to its nominee, all known facts respecting said inv	
Letters Patent, to testify in any legal proceedings, to sign all la	
continuations, C-I-P's, reissue and foreign applications, to ma	ike all rightful oaths and declarations, and generally to
do everything possible to aid HPDC, its successors, assign	s, 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 r	ne/us in lending such cooperation and assistance are
paid by HPDC;	·
AND I/we hereby authorize and request the Commis	sioner of Patents and Trademarks of the United States
and any official of any country or countries foreign to the	
applications as aforesaid, to issue to HPDC, as assignee of	
Patent for said invention(s) or improvement(s), including any	
be issued and granted on or as a result of the application afore	
	cord to insert the serial number and filing date of said
application now identified by the Record ID and title set fort	
known to them by the United States Patent and Trademark Of	
	· · · · · · · · · · · · · · · · · · ·
	7/9/17
Invertor's Signature	Date Assignment Signed
inventor's Signature	Date Assignment Signed
Maray Mal area	
Moray McLaren / Inventor's Typed Name	Date Application Signed
inventors ryped Name	Date Application Signed
0.11 11111	$f = f_{ij}$
Pul Karsh Wala	z/1/11
Inventor's Signature	Date Assignment Signed
inventor's dignature	Date Assignment Signed
Paul Kessler Rosenberg	
Inventor's Typed Name	Date Application Signed
	Sate Application digition
Rev 09/11 (Assignment) Page 1 of 2	
rage 101.	c.

PATENT REEL: 033098 FRAME: 0183 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

PATENT APPLICATION

Mail Stop 35	RECORD ID:	32835629	
Fort Collins, Colorado 80528			
ASSIGNMENT OF PATENT APPLICATION (cont.)			
Line Single Carry Carry	Date Assignment Signe		
Inventor's Signature	Date Assignment Signe	d	
Michael Renne Ty Tan	Date Application Signed		
Inventor's Typed Name	Date Application Signed	i	
LOL Ma	Z - I - Zo I Date Assignment Signe	2	
Inventor's Signature	Date Assignment Signe	d	
Terrel Morris	Z-1-2013 Date Application Signed	2_	
Inventor's Typed Name	Date Application Signed		
Inventor's Signature	Date Assignment Signe	d	
Inventor's Typed Name	Date Application Signed		
Inventor's Signature	Date Assignment Signed	d	
Inventor's Typed Name	Date Application Signed		
lovosto de Cinachus			
Inventor's Signature	Date Assignment Signed	d .	
Inventor's Typed Name	Date Application Signed		

Rev 09/11 (Assignment)

Inventor's Signature

Inventor's Typed Name

Page 2 of 2

Date Assignment Signed

Date Application Signed

PATENT REEL: 033098 FRAME: 0184