PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: **ASSIGNMENT**

CONVEYING PARTY DATA

Name	Execution Date
Malcolm Isaacs	02/06/2008
Yoav Eilat	02/11/2008
Tal Halperin	02/06/2008
Michael Pogrebisky	02/06/2008
Rachel Kahana Samet	02/10/2008

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:	12918389

CORRESPONDENCE DATA

Fax Number: (970)778-4063

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

(970)898-4728 Phone:

Email: jerry.shorma@hp.com Correspondent Name: Hewlett-Packard Company Address Line 1: 3404 E. Harmony Road MS 35 Address Line 2: Intellectual Property Administration Fort Collins, COLORADO 80528 Address Line 4:

NAME OF SUBMITTER: Kathy L. Hungsberg

Total Attachments: 6

501308100

REEL: 025076 FRAME: 0421

PATENT

source=200702785#page1.tif		
source=200702785#page2.tif		
source=200702785#page3.tif		
source=200702785#page4.tif		
source=200702785#page5.tif		
source=200702785#page6.tif		
<u> </u>		

PATENT REEL: 025076 FRAME: 0422 HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400 PATENT APPLICATION

ATTORNEY DOCKET NO.

200702785

ASSIGNMENT OF PATENT APPLICATION

I/We, the undereigned (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 Identification Of Elements Of Currently-Executing Component Script Application No.: 12/918389 Filing Date: 08/19/2010 and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C4-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 relscues, or reexaminations, or extensions of said Letters Patent. tive 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 melus had this assignment, and transfer not been made; AND I/we hereby povenant 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 liwe 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 periect 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 tiwe 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-L-P's, reissue and foreign applications, to make all rightful caths 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 landing such cooperation and assistance are paid by HPDC; AND live 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. live 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. IN WITNESS WHEREOF, liwe hereunto set mylour hand(s) and seal(s): 6 FEB 2008 Date Assignment Signed 6 F68 2008 Date Application Signed Malcolm isaacs inventor's Typed Name State of 3 59.1 County of , personally appeared Malcolm Issacs Before me this day of 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 deed. NOISE PROBLET My Commission Expires: Page 1 of 3 Rev 10/05s (Assignment)

> **PATENT** REEL: 025076 FRAME: 0423

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

PATENT APPLICATION

ATTORNEY DOCKET NO. ______ 200702785

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I'we hereunto set my/our hand(s) and seal(s):

	·····		
Inventor's Signature (Seei)		Date Assignment Signed	
Yosv Ellet			
Inventor's Typed Mame		Cata Application Signed	·····
State of	*		
) ss.:		
County of	ÿ		
Sefore me this day of	, personally appeared	Yoav Eliat	who is personally
known or proved to me on the b assignment to be his/her free act a	asis of satisfactory evidence to be t	he person who acknowledged the	foregoing instrument of
establishers on the item to use and c	and dead.	5000 Page	***************************************
		My Commission Expire	\$
	*		
- F			
-K. V. OT			
- 76 V		G Feb S Date Assignment Signed	800
inventor's Signeture (Seal)		Date Assignment Signed	***************************************
en an			ma
Tel Halperin		<u> 6 Feb</u>	700 V
Inventor's Typed Name		Date Application Signed	
State of	}		
pro pate over our c) ss.;		
County of	3		
Before me this day of	, personally appeared	Tal Halperin	who is personally
known or proved to me on the b	asis of satisfactory evidence to be t		
assignment to be his/her free act a	and deed	<u></u>	
		Now Press My Commission Expire	¢
		and a remainder well-and	"
A .		er in er	
		6 Fel.	2003
Inventor's Signature (Seal)	in the second	Date Assignment Signed	***************************************
		000	3 00 00
Michael Pogrebisky		5 F88	१००१
inventor's Typed Name		Date Application Signed	
State of	,		
Cranto Co) ss.:		
County of	, , , , , , , , , , , , , , , , , , , ,		
· · · ·	, personally appeared	Michael Pogrebisky	who is personally
known or proved to me on the b	esis of selistactory evidence to be t		
assignment to be his/her free act i			
		Notary Public	
Print Addition 32 million markets	Page 2 of 3	My Commission Expire	. .
Rev 10/06s (Assignment)			

.

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

Rev 1000in (Assignment)

PATENT APPLICATION

ATTORNEY DOCKET NO.

200702785

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, live hereunto set mylour hand(s) and seal(s): lo fab 3o Date Assignment Signed Inventor's Signature (Seal) Io Fe人 3: Data Application Signed Rachel Kahana Samet Inventor's Typed Name State of 388.1 County of _, personally appeared_ Rachel Kehana Samet 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 deed. NOISE/PROPE My Commission Explose: Date Assignment Signed Inventor's Signature (Seal) Date Application Signed Inventor's Typed Name State of) ss.: County of , personally appeared who is personally Sefore me this 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 deed. ROSSY PUBLIC My Commission Expires: Date Assignment Signed Inventor's Signature (Seal) Date Application Signed inventor's Typed Name State of) ss.: County of who is personally , personally appeared Before me this day of 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. RESERV PRESS

Page 3 of 3

PATENT

My Commission Expires:

REEL: 025076 FRAME: 0425

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

New 10882 (Asslowment)

PATENT APPLICATION

ATTORNEY DOCKET NO.

200702785

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 lessigns, the entire right, tille and interest, including the right of priority, in, to and under an application for Letters Patent of the United States Identification Of Elements Of Currently-Executing Component Script Filing Date: 08/19/2010 Application No.: 12/918389 and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-set (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 melus had this assignment, and transfer not been made; AND I/we hereby coverant 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 I/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 fille to said invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and l/we 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. continuetions, C-I-P's, reissue and foreign applications, to make all rightful paths 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 time 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. I/we further authorize and direct the attorneys of record to insert the serial number and filing date of sald 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. IN WITNESS WHEREOF, I'we hereunto set mylonr handle) and seal(s): Date Assignment Signed Inventor's Signature (Seal) Malcolm Isaacs Date Application Signed Inventor's Typed Name State of 88. County of , personally appeared who is nemonally Malcolm Isaacs 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 deed. Markov States

My Commission Express:

Page 1 of 3

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

PATENT APPLICATION

ATTORNEY DOCKET NO. 200702785

ASSIGNMENT OF PATENT APPLICATION (cont.)

in witness whereof, in	e hereumo set mylour hand(s) and seal(s):	
Your Cilat	e de la companya de	2/11/08	
Inventor's Signature (Seei)		Date Assignment Signed	
Yosv Ellet		2/11/08	
Inventor's Typed Name	*************************************	Date Application Signed	
t transcription of the control of th			
State of	}		
) ss.:		
County of	,}		
Before me thisday of	_, personally appeared	Yoay Eliat	who is personally
known or proved to me on the basis assignment to be his/her free act and di	or saustactory evidence to be t sed.	the person who acknowledged the fo	oregoing instrument of
		75757.7.9 0 000	-
	W.	My Commission Expires:	
			A1111111111111111111111111111111111111
Inventor's Signsture (Seal)		Date Assignment Signed	
Tal Halperin			
Inventor's Typed Name		Date Application Signed	****
State of	3		
and the same) ss.:		
County of),		*
Before me this day of	, personally appeared	Tel Halperin	who is personally
known or proved to the on the basis assignment to be his/her free act and d	on samsmackory avidence to be	ne betson who acknowledged the h	oregoing instrument of
- Service Control of the Control of		7000 Page	*************************
		My Commission Expires:	
			·
inventor's Signature (Sest)	• • • • • • • • • • • • • • • • • • • •	Date Assignment Signed	*
Michael Pogrebisky			
Inventor's Typed Name	.,	Date Application Signed	
State of	1		
) ss.:		
County of)		
Before me thisday of	, personally appeared	Michael Pogrebisky	who is personally
known or proved to me on the basis assignment to be his/her free ect and d		the person who acknowledged the f	oregoing instrument of
कर्रातिक प्राथम का क्रम माम्याच्या प्रथम बर्ग ब्राज्य ह	aprie	Notary Poblic	
		My Commission Expires:	
Rev 10/06s (Assignment)	Paga 2 of 3		

PATENT REEL: 025076 FRAME: 0427 IEWLETT-PACKARD COMPANY intellectusi Property Administrator P.O. Box 272406 Fort Collins, Colorado 80527-2400

RECORDED: 10/01/2010

PATENT APPLICATION

ATTORNEY DOCKET NO. 200702785

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I've hereunto set mylour hand(s) and seal(s):

Inventor's Signature (Sest)		Date Assignment Signed
Rachel Kahana Samet		
Inventor's Typed Name		Date Application Signed
State of)	
County of) ss.; }	
Before me this day of known or proved to me on the bassignment to be his/her free act as	, personally appeared sists of salisfactory evidence to be not deed.	Rachel Kehana Samet who is personally the person who acknowledged the foregoing instrument of
		My Commission Explines:
inventor's Signstime (Seat)		Date Assignment Signed
Inventor's Typed Neme	de la companya de la	Date Application Ngned
State of) }ss.:	
County of	j	
Before me this day of known or proved to me on the be assignment to be his/her free act as	, personally appeared sis of setisfactory evidence to be ad deed.	who is personally the person who acknowledged the foregoing instrument of River foregoing instrument of Rivery Place
Inventor's Signature (Seal)		My Commission Expires: Date Assignment Signed
Inventor's Typed Name		Date Application Signed
State of) } 5 5.::	
County of	<i>y</i>	
Before me thisday of	, personally appeared	who is personally
known or proved to me on the ba assignment to be his/her free act as	sis of satisfactory evidence to be an deed.	the person who acknowledged the foregoing instrument of
a ana an	Page 3 of 3	Nothly Plats My Commission Explose:
Rev 10/08s (Assignment)	rage on a	

PATENT

REEL: 025076 FRAME: 0428