PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Carey B. Huscroft	01/23/2013
Benjamin D. Osecky	01/24/2013
Aland B. Adams	01/25/2013
Dale C. Morris	01/24/2013
Stephen B. Lyle	01/26/2013

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:	13751886

CORRESPONDENCE DATA

Fax Number: 9707784063

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

Phone: (541)715-8443

Email: pto.assignments@hp.com

Correspondent Name: Hewlett-Packard Company

Address Line 1: 3404 E. Harmony Road MS 35

Address Line 2: Intellectual Property Administration

Address Line 4: Fort Collins, COLORADO 80528

NAME OF SUBMITTER: Edward J. Brooks III

Total Attachments: 6 source=00230400#page1.tif

PATENT REEL: 029710 FRAME: 0535 \$40,00 13751886

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PATENT REEL: 029710 FRAME: 0536 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID:	83139188
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ASSIGNMENT OF PATEN	IT APPLICATION
I/We, the undersigned (each) have agreed and hereby receipt of which is hereby acknowledged, and in furtheran DEVELOPMENT COMPANY, L.P., a Texas Limited Partnersh Texas, (hereinafter HPDC), and to its subsidiaries and affiliates assigns, the entire right, title and interest, including the right entitled:	y agree, that for good and valuable consideration, the nee of my/our obligations to HEWLETT-PACKARE hip having its principal place of business in Houston
THINNING OPERATING SYSTEMS	
Filing Date: HEREWITH	
	plication No.:
and the invention(s) and improvement(s) set forth therein, and ardivisionals, and renewals of and substitutes for said application countries thereto which may be granted thereon or therefore; and Patent.	ny and all continuations, continuations-in-part (C-I-P's), for said Patent, and any and all other Patent of any any reissues, or reexaminations, or extensions of said
I/we additionally authorize HPDC to file applications in my/our by HPDC, its successors, assigns, nominees or legal representative Patent respectively may be granted, reissued or extended, as fully enjoyed by me/us had this assignment, and transfer not been made;	ves, to the rull end of the term or terms for which said
AND I/we hereby covenant that I/we have full right to convey the executed and will not execute any agreement in conflict herewith, a time a request is made, and without undue delay, execute and deliving perfect the title to said invention(s) or improvement(s), said application in a regular representatives, and I/we agree to communicate said invention(s) or improvement(s), said application and said Pate papers, to execute all disclaimers and divisionals, continuations, rightful oaths and declarations, and generally to do everything postand legal representatives to obtain and enforce, for its or their own I improvement(s) in any and all countries provided the expenses cooperation and assistance are paid by HPDC;	and twe further covenant and agree that I/we will, each rer all such papers as may be necessary or desirable to ricin and said Patent, to HPDC, its successors, assigns, to HPDC, or to its nominee, all known facts respecting nt, to testify in any legal proceedings, to sign all lawful C-1-P's, reissue and foreign applications, to make all sible to aid HPDC, its successors, assigns, nominees benefit, proper patent protection for said invention(s) or which may be incurred by me/us in lending such
AND I/we hereby authorize and request the official of any cou applications as aforesaid, to issue to HPDC, as assignee of the en invention(s) or improvement(s) which may be issued and grante accordance with the terms of this assignment.	
I/we further authorize and direct the attorneys of record to application for Patent, now identified by the Record ID and title set fo known to them.	nsert the filing date and application number of said of the above, as soon as the same shall have been made
IN WITNESS WHEREOFTI/we hereunto set my/our hand(s) :	and seal(s):
Caux B. Hera/A	Vaaha
Inventor's Signature	Date / LS/ S
W 8.	
Carey Huscroft Inventor's Typed Name	
	•
Inventor's Signature	Date
Bonjamin D. Osecky	
Inventor's Typed Name	
Aban vieno	

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PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID: 83139188
	OF PATENT APPLICATION (cont.)
At & & del	1/25/2013
Inventor's Signature	1/25/2013 Date
Aland Adems Nan ALAND B. ADAM	
nventor's Typed Name	·····
nventor's Signature	Date
Dale C. Morris	
Inventor's Typed Name	
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nventor's Signature	Date
Stephen B. Lyte nventor's Typed Name	· · · · · · · · · · · · · · · · · · ·
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Page 2 of 2

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

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RECORD ID:	83139188

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree, that for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, to 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 Patent

entitled: THINNING OPERATING SYSTEMS Filing Date: HEREWITH 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 Patent, and any and all other Patent of any countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said I/we additionally authorize HPDC to file applications in my/our name for 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 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 I/we further covenant and agree that I/we 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 Patent, to HPDC, its successors, assigns. nominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said 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 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 lending such cooperation and assistance are paid by HPDC; AND I/we hereby authorize and request the official of any country or countries 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 Patent for said invention(s) or improvement(s) 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 filing date and application number of said application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been made known to them. IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Inventor's Signature Date Carey Huscroft Inventor's Typed Name Benjamin D. Osecky Inventor's Typed Name

Rev 1/2013 (Assignment)

Page 1 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3 N F

PATENT APPLICATION

3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID:	83139188	
Α	SSIGNMENT OF PATENT APPLICATION (cor	nt.)	

Inventor's Signature	Date
Aland Adams Inventor's Typed Name	
Inventor's Signature Dale C. Morris Inventor's Typed Name	Jan 24 2013 Date
Inventor's Signature	Date
Stephen B. Lyle Inventor's Typed Name	:
Inventor's Signature	Date
Inventor's Typed Name	
Inventor's Signature	Date
Inventor's Typed Name	
Inventor's Signature	Date
Inventor's Typed Name	

Page 2 of 2

PATENT REEL: 029710 FRAME: 0540 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID:	83139188

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree, that for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, to 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 Patent entitled:

THINNING OPERATING SYSTEMS

Filing Date: HEREWITH

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 Patent, and any and all other Patent of any countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Patent.

I/we additionally authorize HPDC to file applications in my/our name for 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 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 I/we further covenant and agree that I/we 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 Patent, to HPDC, its successors, assigns, nominees.or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said 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 dectarations, 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 I/we hereby authorize and request the official of any country or countries 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 Patent for said invention(s) or improvement(s) 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 filing date and application number of said application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been made known to them.

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

Inventor's Signature

Carey Huscroft
Inventor's Typed Name

Inventor's Signature

Date

Date

Rev 1/2013 (Assignment)

Inventor's Typed Name

Page 1 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID:	83139188
	ENT OF PATENT APPLICATION	N (cont.)
nventor's Signature	Date	
Aland Adams nventor's Typed Name		
nventor's Signature	Date	
ale C. Morris ventor's Typed Name		
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tephen B. Lyle iventor's Typed Name		
ventor's Signature	Date	
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