

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Qiming Chen	07/15/2009
Bin Zhang	07/16/2009
Ren Wu	07/15/2009
Andy Therber	07/15/2009
Meichun Hsu	07/15/2009
Hans Zeller	07/15/2009
David Birdsall	07/15/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Hewlett-Packard Development Company, L.P.
<b>Street Address:</b>	11445 Compaq Center Drive West
<b>City:</b>	Houston
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77070
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12544227
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(970)778-4063
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	970-898-4728
<b>Email:</b>	JERRY.SHORMA@HP.COM
<b>Correspondent Name:</b>	HEWLETT-PACKARD COMPANY Intellectual Pro
<b>Address Line 1:</b>	3404 E. Harmony Road
<b>Address Line 2:</b>	Mail Stop 35
<b>Address Line 4:</b>	FORT COLLINS, COLORADO 80528
<b>ATTORNEY DOCKET NUMBER:</b>	200902401-1

CH \$40.00 12544227

**500941262**

**PATENT**  
**REEL: 023120 FRAME: 0868**

NAME OF SUBMITTER:

Philip Lyren

Total Attachments: 6

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

PATENT APPLICATION

ATTORNEY DOCKET NO. 200902401-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

*Bin Zhang* 7/16/2009  
Inventor's Signature (Seal) Date Assignment Signed

Bin Zhang 7/16/2009  
Inventor's Typed Name Date Application Signed

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:  
\_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Bin Zhang 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.

\_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
Inventor's Signature (Seal) Date Assignment Signed

Ren Wu \_\_\_\_\_  
Inventor's Typed Name Date Application Signed

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:  
\_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Ren Wu 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.

\_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
Inventor's Signature (Seal) Date Assignment Signed

Andy Therber \_\_\_\_\_  
Inventor's Typed Name Date Application Signed

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:  
\_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Andy Therber 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.

\_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_

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

PATENT APPLICATION

ATTORNEY DOCKET NO. 200902401-1

**ASSIGNMENT OF PATENT APPLICATION (cont.)**

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

\_\_\_\_\_  
Inventor's Signature (Seal)

\_\_\_\_\_  
Date Assignment Signed

Bin Zhang

\_\_\_\_\_  
Inventor's Typed Name

\_\_\_\_\_  
Date Application Signed

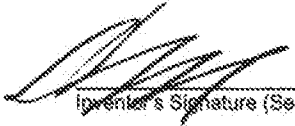
State of \_\_\_\_\_ )

) ss.: \_\_\_\_\_

County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Bin Zhang 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.

\_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_



\_\_\_\_\_  
Inventor's Signature (Seal)

7/15/2009  
Date Assignment Signed

Ren Wu

\_\_\_\_\_  
Inventor's Typed Name

7/15/2009  
Date Application Signed

State of \_\_\_\_\_ )

) ss.: \_\_\_\_\_

County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Ren Wu 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.

\_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
Inventor's Signature (Seal)

\_\_\_\_\_  
Date Assignment Signed

Andy Therber

\_\_\_\_\_  
Inventor's Typed Name

\_\_\_\_\_  
Date Application Signed

State of \_\_\_\_\_ )

) ss.: \_\_\_\_\_

County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Andy Therber 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.

\_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_

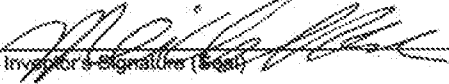
HEWLETT-PACKARD COMPANY  
Intellectual Property Administrator  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200902401-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

 \_\_\_\_\_  
Inventor's Signature (Seal) Date Assignment Signed 7-15-09

Meichun Hsu \_\_\_\_\_  
Inventor's Typed Name Date Application Signed 7-15-09

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Meichun Hsu 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.

Notary Public  
My Commission Expires:

\_\_\_\_\_  
Inventor's Signature (Seal) Date Assignment Signed

Hans Zeller \_\_\_\_\_  
Inventor's Typed Name Date Application Signed

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Hans Zeller 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.

Notary Public  
My Commission Expires:

\_\_\_\_\_  
Inventor's Signature (Seal) Date Assignment Signed

David Birdsall \_\_\_\_\_  
Inventor's Typed Name Date Application Signed

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared David Birdsall 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.

Notary Public  
My Commission Expires:



HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 273400  
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200902401-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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


Inventor's Signature (Seal) \_\_\_\_\_ Date Assignment Signed \_\_\_\_\_

Meichun Hsu  
Inventor's Typed Name \_\_\_\_\_ Date Application Signed \_\_\_\_\_

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ Meichun Hsu \_\_\_\_\_ 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.

Notary Public  
My Commission Expires: \_\_\_\_\_

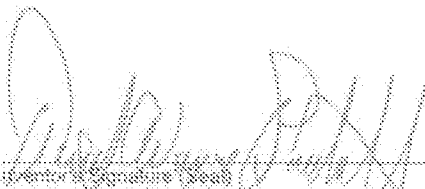
  
Inventor's Signature (Seal) \_\_\_\_\_ Date Assignment Signed 7/15/09 \_\_\_\_\_

Hans Zeller  
Inventor's Typed Name \_\_\_\_\_ Date Application Signed 7/15/09 \_\_\_\_\_

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ Hans Zeller \_\_\_\_\_ 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.

Notary Public  
My Commission Expires: \_\_\_\_\_

  
Inventor's Signature (Seal) \_\_\_\_\_ Date Assignment Signed 7/15/09 \_\_\_\_\_

David Birbaun  
Inventor's Typed Name \_\_\_\_\_ Date Application Signed 7/15/09 \_\_\_\_\_

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ David Birbaun \_\_\_\_\_ 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.

Notary Public  
My Commission Expires: \_\_\_\_\_