#### PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### CONVEYING PARTY DATA

Name	Execution Date
David A. Fattal	04/18/2011
Raymond G. Beausoleil	04/15/2011
Zhiyong Li	04/18/2011

#### 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:	13090016	

#### CORRESPONDENCE DATA

Fax Number: (970)778-4063

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

Phone: (970)898-4728 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: Heather Ellis

#### Total Attachments: 6

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

PATENT APPLICATION

PATENT REFERENCE:

201005080US01

#### 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 Pertnership having its principal piace of business in Houston, Texas, (hereinalter HPDC), in furtherence 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 antifled:

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CONFIGURABLE	GRATING BASED ON COLL	APSING NANO-FING	ERS	
Filing Date: /	April 19, 2011	Application	on No.:	13/090016
and the inventions, P's), divisionals, a Patent of the Unit reissues, or reexaminate and and enjoyed terms for which as same would have AND live we have not executed live will, each necessary or desi Patent, to HPDC, or to its recontinuations, Cido enforce, for its or countries provided paid by HPDC;  AND live and any official or applications as af Patent for said in be issued and graft.	nd renewals of and substitutes and States and of countries for ninations, or extensions of said lionally authorize HPDC to file by HPDC, its successors, assigned Letters Patent respectively been held and enjoyed by meltiples and will not execute any a state and will not execute any a state to perfect the title to said little to perfect the title to said liss successors, assigns, nor period to perfect the title to said liss successors, assigns, nor period to perfect the title to said liss successors, assigns, nor period to perfect the title to said liss successors, assigns, nor period in any legal proceedings. P's, reissue and foreign applicusible to aid HPDC, its successible to aid HPDC, its successible to aid HPDC, its successible to aid HPDC, as thereby authorize and request fram country or countries for any country or as a result of the apher authorize and direct the at	for said application is sign thereto which may I Letters Patent. applications in mayou pas, nominees or legal may be granted, reis us had this assignment ve full right to convey agreement in conflict I without undue delay, a d invention(s) or import inces or legal repression, so cations, to make all right assors, assigns, nominated incurred by me/us in the Commissioner of veign to the United assignee of the enti- notioning any and all I polication aforesaid, in torneys of record to in torneys of record to incorrection for and polication aforesaid, in torneys of record to incorrection to prication aforesaid, in torneys of record to incorrection to prication aforesaid, in torneys of record to incorrection to incorre	ed all continua- cor said Letters responded pranted responded or exten- it, and transfer the entire inte- terewith, and it execute and de- covernment(s), as- entatives, and or improvement in a secute phtful caths an eless and lega invention(s) or lending such  Patents and I States whose re right, title a Letters Patent accordance we neent the series	ions, continuations-in-part (C-I- Patent, and any and all Letters I thereon or therefore; and any ers Patent in any country, to be es, to the full end of the term or ted, as fully and entirely as the
been made know	to them by the United States i	Patent and Trademark	cOffice.	
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David A. Fattal Inventor's Typed Na	776		Date Application	On Stated
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Raymond G. Beaus	***************************************		***************************************	·····
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HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

#### PATENT APPLICATION

PATENT REFERENCE: 201005080US01

## ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature	Date Assignment Signed
Zhiyong Li	
Inventor's Typed Name	Date Application Signed
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Inventor's Typed Name	Date Application Signed
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Inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed

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

PATENT APPLICATION

PATENT REFERENCE:\_\_\_

201005080U801

## ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to seeign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal piace 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 entitled:	r an application for Letters Petent of the United States
CONFIGURABLE GRATING BASED ON COLLAPSING MAN	O-FINGERS
Filing Date:April 19, 2011	polication No.: 13/090016
terms for which said Letters Patent respectively may be grant same would have been held and enloyed by me/us had this as	ication for said Letters Petent, and any and all Letters which may be granted thereon or therefore; and any not.  In my/our name for Letters Patent in any country, to be a riegal representatives, to the full end of the term or set, reissued or extended, as fully and entirely as the signment, and transfer not been made; convey the entire interest herein assigned, and that if conflict herewith, and I/we further covenent and agree of convey the entire interest herein assigned, and that if conflict herewith, and I/we further covenent and agree or improvement(s), said application and said Letters representatives, and I/we agree to communicate to intion(s) or improvement(s), said application and said wful papers, to execute all disclaimens and divisionals, as all rightful oaths and declarations, and generally to se all rightful oaths and declarations, and generally to nominees and legal representatives to obtain and or said invention(s) or improvement(s) in any and all evids in tending such cooperation and sesistance are loner of Patents and Trademarks of the United States United States whose duty it is to issue patents on the entire right, title and interest, any and all Letters and all Letters Patent of the United States which may said, in accordance with the terms of this assignment, but to insert the serial number and filing date of said title set forth above.
inventor's Signature	Dela Assignment Signed
David A. Fettal	
Inventor's Typed Name	Date Application Signed
Reserved Granes Cell	)
Raymond G. Beausoteit	8011-04-15
invantor's Typed Name	Date Application Signed

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Page 1 of 2

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

PATENT APPLICATION

PATENT REPERENCE: 201005080US01

# ASSIGNMENT OF PATENT APPLICATION (cont.)

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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

Filing Date: April 19, 2011

PATENT APPLICATION

PATENT REFERENCE:\_

13/090016

201005080US01

### 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:

Application No.:

CONFIGURABLE GRATING BASED ON COLLAPSING NANO-FINGERS

neld and enjoyed by HPDC, its successors, assigns, not erms for which said Letters Patent respectively may be same would have been held and enjoyed by me/us had an AND I/we hereby covenant that I/we have full we have not executed and will not execute any agreen that I/we will, each time a request is made, and without necessary or desirable to perfect the title to said inversatent, to HPDC, its successors, assigns, nominees HPDC, or to its nominee, all known facts respecting sucters Patent, to testify in any legal proceedings, to signational to everything possible to aid HPDC, its successors, enforce, for its or their own benefit, proper patent procedures provided the expenses which may be incurred to aid by HPDC;	aid application fithereto which mers Patent.  The stations in my/our orninees or legate granted, reist this assignment in conflict the undue delay, ention(s) or impror legal repressaid invention(s) gn all lawful pages, to make all riguestion for said red by me/us in commissioner of to the United gnee of the enting any and all to the united gnee of the enting any	for said Letters Patent, and any and all Letters may be granted thereon or therefore; and any ur name for Letters Patent in any country, to be all representatives, to the full end of the term or ssued or extended, as fully and entirely as the ent, and transfer not been made; by the entire interest herein assigned, and that I/I herewith, and I/we further covenant and agree execute and deliver all such papers as may be provement(s), said application and said Letters sentatives, and I/we agree to communicate to so or improvement(s), said application and all lending such cooperation and assistance are of Patents and Trademarks of the United States whose duty it is to issue patents on the united states which may be the patent of the United States which may	
I/we further authorize and direct the attorney application now identified by the attorney docket number	ys of record to i ber and title se	insert the serial number and filing date of said et forth above as soon as the same shall have	
been made known to them by the United States Patent	t and Trademart	rk Office.	
Inventor's Signature		Date Assignment Signed	
David A. Fattal			
Inventor's Typed Name		Date Application Signed	
Inventor's Signature		Date Assignment Signed	
Raymond G. Beausoleii			
Inventor's Typed Name		Date Application Signed	
Rev 06/10 (Assignment)	age 1 of 2		

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

### PATENT APPLICATION

PATENT REFERENCE:\_\_\_

201005080US01

ASSIGNMENT OF PATEN	
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Inventor's Signature	Date Assignment Signed
Zhiyong Li	4/18/2011
Inventor's Typed Name	Date Application Signed
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