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neconi	PATENTS OF		Attorney Docket No. 200311240-1		
Name of conveying party(ies):			ress of receiving party		
Zhen He			CKARD DEVELOPMEN	T COMPANY, L.P.	
Charles A. Bouman		20555 SH 249 Houston, TX 77070			
		71/11/	<b>`</b>		
		PURDUE R	ESEARCH FOUND	DATION	
		3000 Kent Avenue West Lafayette, IN 47906			
		West Lalay	elle, ile 47 000		
dditional name(s) of conveying party(ies) attached _	YesX_No _	Additional name(s) &	address(es) attached?	Yes <u>X</u> No	
. Nature of Conveyance:					
Assignment	Merger		Change of Name		
Security Agreement	X Other	Correction of as:	signment at Reel/Fram IENT HP AND PURDU	e 015233/0278 E	
	ant 24 2004				
xecution Date(s): March 23, 2004 and So					
. Application number(s) or patent number					
If this document is being filed together wi	th a new appli	cation, execution	date of the application	1 15:	
A. Patent Application No.(s)			B. Patent No.	(s)	
	B / Field, ta	- 26 2004			
Application No.: 10/764,839	Date Filed: Ja				
<del></del>		ers attached? NO			
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		8. Deposit Account Number: 08-2025		<u> 25</u>	
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<ol> <li>Statement and signature.</li> <li>To the best of my knowledge and belief,</li> </ol>	the foregoing	information is true	e and correct and any	attached copy is a	
true copy of the original document.	are rereguing				
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Jennifer Torres	Signatura	Ja 1000	Date		
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ATTORNEY DOCKET NO. \_200311240-1

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

ASSIGNMENT OF PA	ATENT APPLICATION
DEVELOPMENT COMPANY, L.P., a Texas Limited Houston, Texas, (hereinafter HPDC) and PURDUE R University, West Lafayett, Indiana, (hereinafter PU Hewlett-Packard Company and its subsidiaries and texas Limited Hewlett-Packard Company and its subsidiaries and texas Limited Hewlett-Packard Company and its subsidiaries and texas Limited Hewlett-Packard Company and texas	and hereby agree to assign to HEWLETT-PACKARD Partnership having its principle place of business in RESEARCH FOUNDATION, acting on behalf of Purdue URDUE) in furtherance of my/our obligations to the diffiliates or PURDUE, and do hereby assign and assigns, the entire right, title and interest, application for Letters Patent of the United States
entitled:	
Halftonig Method And System	
Filing date: Jan 26, 2004	Application No.: 10/764,839
and the invention(s) and improvement(s) set continuations-in-part (C-I-P's), divisionals, and rene Letters Patent, and any and all Letters Patent of the may be granted thereon or therefor; and any reiss Patent.	forth therein, and any and all continuations, ewals of and substitutes for said application for said e United States and of countries foreign thereto which ues, or reexaminations, or extensions of said Letters
in any country, to be held and enjoyed by in- nominees or legal representatives, to the full end respectively may be granted, reissued or extended held and enjoyed by me/us had this assignment, an	
that I/we have not executed and will not execute covenant and agree that I/we will, each time a receiver all such papers as may be necessary or improvement(s), said application and said Letters nominees or legal representatives, and I/we agr nominees, all known facts respecting said inventeters Patent, to testify in any legal proceedings and divisionals, continuations, C-I-P's, reissue and declarations, and generally to do everything possigns, nominees and legal representatives to obtain patent protection for said invention(s) or improvement which may be incurred by me/us in lending sucpurpose.	ight to convey the entire interest herein assigned, and any agreement in conflict herewith, and I/we further quest is made, and without undue delay, execute and desirable to perfect the title to said invention(s) or Patent, to HPDC, PURDUE their successors, assigns, see to communicate to HPDC, PURDUE or to their tion(s) or improvement(s), said application and said to sign all lawful papers, to execute all disclaimers of foreign applications, to make all rightful oaths and saible to aid HPDC and PURDUE, their successors, extain and enforce, for its or their own benefit, proper ment(s) in any and all countries provided the expenses the cooperation and assistance are paid by HPDC or
States and any official of any country or countries patents on applications as aforesaid, to issue to light title and interest any and all letters Patent	ommissioner of Patents and Trademarks of the United foreign to the United States whose duty it is to issue HPDC and PURDUE, jointly, as assignee of the entire for said invention(s) or improvement(s), including any may be issued and granted on or as a result of the sof this assignment.
	URDUE attorneys to insert the serial number and filing irney docket number and title set forth above as soon by the United States Patent and Trademark Office.
000	Assignment Signed: Mar. 23, 2004
fifventor's Signature (Seal)	1/20/04
Inventor's Typed Name: Zhen He	Date Application Signed:
State of Oregon	OFFICIAL SEAL LISA BAYHA
county of Clackarras )	NOTARY PUBLIC-OREGON COMMISSION NO. 377400 MY COMMISSION EXPIRES FEB. 12, 2008
Before me this 2 and day of 1 and and personally known or proved to me on the basis of satisfact	nally appeared Znen He who is tory evidence to be the person who ecknowledged the foregoing

PATENT REEL: 015694 FRAME: 0796

My commission expires: 7cb 12, 2008

instrument of assignment to be his/her free act and deed.

HEWLETT-PACKARD COMPANY Intellectual Property Administration

Fort Collins, Colorado 80527-2400

P. O. Box 272400

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P.03/03

PATENT APPLICATION

ATTORNEY DOCKET NO. 200311240-1

## ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF,	, I/we hereunto set n	ny/our hand(s) and seal(	(s):
11. 11. Ma	~~~~	Date Assignment Signed:	9/24/04 Ion Signed: 1/23/04
Inventor's Signature (Seal)	//		Jos Lost
Investment Tuned Name: Char	ies A. Bournan	Date Applicat	ion Signed: 1/23/07
State of INDIANA	) )ss.;		
County of TIPPECAN	NE )		
(N) 1113-	<b>□-20 ハ(2 水) アファ</b>	, personally appearedCt	harles A. Bouman who is
nersonally known or proved	to me on the basis of	Satisfactory evidence to be	the person who acknowledged the foregoing
instrument of assignment to I	be his/her free act and de	ed.	I my true at head al.
COURTNEY A	*****		Notary Public
" Trian Lublic Sta	TE CAE INVESTIGATION		My commission expires:
MY COMMISSION EX	P. AUG. 17,2009		
		Date Assignment Signed:	
Inventor's Signature (Seal)			
Inventor's Typed Name:		Date Applicat	tion Signed:
State of	)		
State 4:	) 55.:		
County of	)		
Before me this day personally known or proved instrument of assignment to	ito me on the basis of	, personally appeared satisfactory evidence to be ed.	the person who acknowledged the foregoing
			Notary Public
			My commission expires:
		Date Assignment Signed:_	
Inventor's Signature (Seal)			
Inventor's Typed Name:	. <u>.                                   </u>	Date Applice	ation Signed:
State of	)		
Citato oi	) ss.:		
County of	)		
Before me this day	y of	, personally appeared	who is
personally known or proved instrument of assignment to	d to me on the basis of	satisfactory evidence to be	the person who acknowledged the foregoing
			Notary Public
			My commission expires:

(Use Page Three For Additional Inventor(s) Signature(s))

Page 2 of 2