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	FEB-09-2007(FRI) 16:14 MANNAVA & KANG, P. C. FORM PTO-1595 02-16-2007	FEB 0 9 2007	AX)703 865 5150 P. 010/01 U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office					
		LY	Attorney Docket No. 200602330-1					
	1. Name of convey 103373291	. Name and address of receiving party(les):						
	Jeongkeun Lee	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 20555 SH 249 Houston, TX 77070						
	Sung-Ju Lee							
	Tackyoung Kwon							
6	-							
	Additional name(s) of convoying party(ies) attachedYes _X No	Additional name(s) & as	Idress(es) strached?Yes _X No					
	3. Nature of Conveyance:							
	X Assignment Merger		_ Change of Name					
	Security Agreement Other							
	Execution Date(s): 1/23/07, 1/22/07, 1/23/07							
	4. Application number(s) or patent number(s):							
	If this document is being filed together with a new applic	ation, execution dat	e of the application is: 10/31/06					
	A. Patent Application No.(s)		B. Patent No.(s)					
	Application No.: 11/590,148 Date Filed: Oc	t. 31, 2006						
	Confirmation No.: Additional number	rs attached? NO						
	5. Name and address of party to whom correspondence concerning document should be mailed:		epplications and patents involved; 1					
	Records Manager	7. Total Fee (37 CF	R 3.41): \$40.00					
	Intellectual Property Administration HEWLETT-PACKARD COMPANY	Enclosed						
	P.O. Box 272400 Fort Collins, Colorado 80527-2400	X Authoriza	tion to be charged to deposit account.					
- 1	15/2007 DBYRNE 00000015 082025 11590148 \	8. Deposit Account	Number: <u>08-2025</u>					
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	9. Statement and signature.							
	To the best of my knowledge and belief, the foregoing in true copy of the original document.	formation is true an	d correct and any attached copy is a					
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İ	Ashok K. Mannava	11/1	Feb 09, 2007					
	Name of Person Signing Signature		Date					
	Total number of pages including cover sheet, attachments, and document: 4							
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PAGE 10/13 * RCVD AT 2/9/2007 3:36:11 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/7 * DNIS:2738300 * CSID:703 865 5150 * DURATION (mm-ss):03-40

PATENT REEL: 018921 FRAME: 0539 When recorded pleaso return to:

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

PATENT APPLICATION ATTORNEY DOCKET NO. 200602330-1

ASSIGNMENT OF PATENT APPLICATION

DEVELOPMENT COMPANY, E.P., a Texas Limited Partnership having its principal place of business i Houston, Texas, (horsinafter HPDC), in furtherence of my/our obligations to the Hewlett-Packer Company and its subsidiaries and affiliates, and do hereby assign and transfer to HPDC, its successor and assigns, the entire right, title and interest, including the right of priority, in, to and under a application for Letters Patont of the United States entitled:	ก ป			
ESTIMATING LINK INTERFERENCE AND BANDWIDTH	_			
Filing date: October 31, 2006 Application No.: 11/590,148	_			
	-			
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 Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, and any reissues, or reexaminations, or extensions of said Letter Patent.	:h			
I/we additionally authorize HPDC to file applications in my/our name for Letters Patent in an country, to be held and enjoyed by HPDC, its successors, easigns, nominees or legal representatives, the full end of the term or terms for which said Letters Patent respectively may be granted, reissued extended, as fully and entirely as the same would have been held and enjoyed by me/us had the assignment, and transfer not been made;	O-			
AND I/we hereby coverent 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 horswith, and I/wa further coverant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such pepers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees a legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known fact respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in an legal proceedings, to sign all lawful papers, to execute all discisioners and divisionals, continuations C-I-P's, reliesue and foreign applications, to make all rightful caths and declarations, and generally to deverything 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 mailus in landing successorsation and assistance are paid by HPDC;	いけいにおくいっこく			
AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the Unite 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 assigned of the entire right, title and interest any and all Latters Patent for said invention(s) or improvement(s), including any and all Latters Patent of the United States which may be issued and granted on or ea a result of the application eferesaid, is accordance with the terms of this assignment.	æ t, sf			
If we further authorize and direct the attorneys of record to insert the serial number and filling date a 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.	ਜੱ ਦ			
IN WITNESS WHEREOF, I/we hereunto set my/our hend(s) and soal(s):				
Date Assignment Signed: Jan - 23 - 200)				
Inventor's Typed Name: Apostosus Los Dato Application Signed: 3a4 - 23 - 2007				
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PATENT APPLICATION ATTORNEY DOCKET NO. __200602330-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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