U.S. DEPARTMENT OF COMMERCE

PATENT REFERENCE: 200703607-7	Patent and Trademark Office			
RECORDATION F	ORM COVER SHEET			
PATEN	ITS ONLY			
1. Name of conveying party(ies):	2. Name and address of receiving party(les):			
David L Matthews	<u> </u>			
Hubert E Brinkmann	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 11445 Compaq Center Drive West			
Barry S Basile	Houston, TX 77070			
Paul V Brownell				
Kevin G Depew				
Additional name(s) of conveying party(les) attached? Tyes No	Additional name(s) and address(es) attached? Yes XNo			
3. Nature of Conveyance:				
	of Name Security Agreement Joint			
Other				
Execution Date(s):respectively: 02-25-2008, 02-25-2008, 02-	25-2008, 02-25-2008, 02-25-2008			
4. Application number(s) or patent number(s):	1 1			
If this document is being filed together with a new application	on, execution date of the application is:			
A. Patent Application No.(s)				
1,1	Aug. 24, 2010			
	•			
Confirmation No.: 3093 B. Patent N	NO.(5):			
Additional numbers attached? NO				
5. Name and address of party to whom correspondence	6, Total number of applications and patents involved: 1			
concerning document should be mailed:	7, Total Fee (37 CFR 3.41):\$40.00			
Records Manager	,			
Intellectual Property Administration	Enclosed			
HEWLETT-PACKARD COMPANY 3404 E. Harmony Road	_X_Authorization to be charged to deposit account.			
Mail Stop 35	8. Deposit Account Number: 08-2025			
Fort Collins, Colorado 80528				
9. Statement and signature.				
To the best of my knowledge and bellef, the foregoing info	mation is true and correct and any attached copy is a true			
copy of the original document.				
Marci Santillanes Maria S	n			
Marci Santillanes / Value Suptillantes Jan 11, 2011 Name of Person Signing Signature Date				
, talled a series of the serie				
Total number of pages including coversheet, attachments, and documents:5				
Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Applyment Recordation Services Director of the USPTO R.O. Boy 1450, Alexendria V.A. 22313-1450.				
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450				
Page 1 of 1				

Rev 06/10 (ReodAsgn)

PATENT REEL: 025613 FRAME: 0699 HEWLETT-PACKARD COMPANY intellectusi Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200703607-1

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 m	y/our obligations to the Hewlett-Packard Company and its
	i transfer to HPDC, its successors and assigns, the entire right, and under an application for Letters Patent of the United States
entitled:	
Method and Apparatus for Performing a Host En	ımeration Process
Filing Date: Aug. 24, 2010	Application No.: 12/919,050
and the Invention(s) and improvement(s) set forth the P's), divisionals, and renewals of and substitutes for Patent of the United States and of countries foreignessues, or reexaminations, or extensions of said Letters with the Letters Patent respectively make a same would have been held and enjoyed by me/us it was all the Letters Patent respectively make would have been held and enjoyed by me/us it was a have not executed and will not execute any agree that I/we will, each time a request is made, and with necessary or desirable to perfect the title to said in Patent, to HPDC, its successors, assigns, nomined HPDC, or to its nominee, all known facts respecting Letters Patent, to testify in any legal proceedings, to continuations, C-I-P's, reissue and foreign application of everything possible to aid HPDC, its successor enforce, for its or their own benefit, proper patent is countries provided the expenses which may be incountries foreign applications as aforesaid, to issue to HPDC, as as Patent for seid invention(a) or improvement(b), include incountries and granted on or as a result of the applications and granted on or as a result of the applications.	nerein, and any and all continuations, continuations-in-part (C-i-said application for said Letters Patent, and any and all Letters in thereto which may be granted thereon or therefore; and any etters Patent. Silications in my/our name for Letters Patent in any country, to be, nominees or legal representatives, to the full end of the term or y be granted, released or extended, as fully and entirely as the
been made known to them by the United States Pat	ant and Trademark Office.
IN WITNESS WHEREOF, I/we hereunto set my	
David Mars	2-25-08
Inventor a Signature (Seal)	Date Assignment Signed
David L. Matthews	2-25-08
Inventor's Typed Name	Date Application Signed
State of)	
) ss.:	
County of)	
Before me this day of personally appe	ared David L. Metthews who is personally
known or proved to me on the basis of satisfactory evic assignment to be his/her free act and deed.	lence to be the person who acknowledged the foregoing instrument of
-	Rolary Public
Ray 10/06/Assignment)	Page 1 of My Commission Expires:

PATENT REEL: 025613 FRAME: 0700 HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200703607-1

ASSIG	NMENT OF PATENT A	PPLICATION (cont.)	
INCONTINGED WHEREOF, INCO	hereunto set my/our hand(s) and seal(s):	
Hales C. Tokanan	-	Date Assistance of Street	
Inventor's Signature (Seal)		Date Assignment Signed	
Hubert E. Brinkmann		2/25/08	
inventor's Typed Name	***************************************	Date Application Signed	
State of .)		
County of) 55,;)		
•	,	Hubert E. Erinkmann Who is person:	wite
Refore me this day of known or proved to me on the basis of assignment to be his/her free act and des		Hubert E. Erinkmann who is person he person who acknowledged the foregoing instrument	
		NGWY PUNC	
		My Commission Expires:	
Barry & Beile		2/25/08	
Inventor's Signature (Seal)	1 to	Date Assignment Signed	_
		2/25/08	
Barry S. Basile Inventor's Typed Name		Date Application Signed	
myditor a rypod ivenie		the stroke a stranger mental man of the concess	
State of	١		
) ss.:		
County of	,		
Before me thisday of	, personally appeared	Barry S. Basile who is person	ally
known or proved to me on the besis of assignment to be his/her free act end dec	satisfactory evidence to be	the person who acknowledged the foregoing instrument	l of
		Noibry Public My Commission Expires;	
Oal Breed		25 Feb 2008	
Inventor's Signature (Seal)		Date Assignment Signed	
Paul V. Brownell		25 Feb 2008	
Inventor's Typed Name		Date Application Signed	100440
State of)) ss.:		
County of)		
Before me thisday of	, personally appeared	Paul V. Brownell who is person	
known or proved to me on the basis of assignment to be his/her free act and dec		the person who acknowledged the foregoing instrumen	f of
		Notary Public	
Rev 10/06(Assignment)	Page 2 of	My Commission Expires:	

PATENT REEL: 025613 FRAME: 0701 HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. ______200703607-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF,	I/we hereunto set my/our hand(s		
Hori Dya-		02/25/20	7C
Inventor's Signature (Seal)		Date Assignment Signed	
March & Branco		02/25/200	8
Kevin G. Depew Inventor's Typed Name		Date Application Signed	
State of)		
County of) as.:)		
Before me this day of	, personally appeared	Kevîn G. Depew	who is personally
known or proved to me on the bas	ils of satisfactory evidence to be t	he person who acknowledged the for	
assignment to be his/her free act an	d deed.		yl,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		Netary Public My Commission Expires:	
inventor's Signature (Seal)	· · · · · · · · · · · · · · · · · · ·	Date Assignment Signed	****
Inventor's Typed Name		Date Application Signed	Marian de la constanta de la c
State of)		
Countral) 88.:		
County of	<i>j</i>		who is personally
known or proved to me on the bas assignment to be his/her free act an		he person who acknowledged the for	
		Notery Public	
		My Commission Expires:	
Inventor's Signature (Seal)		Date Assignment Signed	
			·····
Inventor's Typed Name		Date Application Signed	
State of)		
) 56.:		
County of)		
Before me this day of	, personally appeared	the person who acknowledged the for	who is personally eacing instrument of
assignment to be his/her free act an		nin haidett zinn eminingingfinn tijn in:	क्⊈रूपा क्या का का का का का का का की है। ज
		Notary Public	WAS TO SEE THE
	Page 3 of	My Commission Explins:	

PATENT REEL: 025613 FRAME: 0702

RECORDED: 01/11/2011