U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

RECORDATION	FORM COVER SHEET		
PATEN	NTS ONLY		
1. Name of conveying party(ies): Krishnan RAMANATHAN Ajay GUPTA Shekhar Ramachandra BORGAONKAR Arnaud Francois Paul SALOMON Chakradhar DANDU Somnath BANERJEE	2. Name and address of receiving party(ies): HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 20555 SH 249 Houston, TX 77070		
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No. 3. Nature of Conveyance:	Additional name(s) and address(es) attached? Yes No		
■ Assignment	of Name Security Agreement Joint		
Other Execution Date(s):08/13/07; 08/13/07; 08/13/07; 03/25/07; 08/13/07; 0	B/13/07: 08/13/07		
4. Application number(s) or patent number(s):			
If this document is being filed together with a new applicati	on, execution date of the application is:		
A. Patent Application No.(s) Application No.: 11/611,900 Date Filed	: December 18, 2006		
Confirmation No.: 5225 B. Patent I	No.(s):		
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	X Authorization to be charged to deposit account.		
P.O. Box 272400 Fort Collins, Colorado 80527-2400	8. Deposit Account Number: <u>08-2025</u>		
9. Statement and signature.			
To the best of my knowledge and belief, the foregoing infocopy of the original document.	rmation is true and correct and any attached copy is a true		
	Same and 2 2007		
Thi Dang Name of Person Signing Sign	September 3, 2007 Date		
Total number of pages including covershe	et, attachments, and documents:10		
Mail Stop Assignment Recordation Services, Director of	t) should be faxed to (571) 273-0140, or mailed to: the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450		
Page 1 of 1			

Rev 02/07 (RecdAsgn)

PATENT APPLICATION

ATTORNEY DOCKET NO. _____ 200505868-2

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to REWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Pertnership 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:

Method And System For Communicating Media Program Information

Filing Date: Dec 18, 2006	Application No.: 11/611900
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 f	for said application for said Letters Patent, and any and all Letters lign therato which may be granted thereon or therefore; and any
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I/we additionally authorize HPDC to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant 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 herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers 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 or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to de everything 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 me/us in lending such cooperation and assistance are paid by HPDC;

AND live hereby authorize and request the Commissioner of Patents and Trademarks of the United 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 assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record to insert the serial number and filing date of 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.

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

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f	Rheus		August 13, 2007	
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Krishnan RAMAN	IATHAN		September 7, 2008	5
Inventor's Typed			Date Application Signed	
State of		>		
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Before me this	day of	, personally appeared	Krishnan RAMANATHAN	who is personally
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		Page 1 of 3	3	

PATENT APPLICATION

ASSIGNMENT OF PATENT APPLICATION (cont.)

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Invento r's Sigf lature (Sed i)		Date Assignment Signed	
Ajay GUPTA		September 7, 2006	
Inventor's Typed Name		Date Application Signed	
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SA Bryawle	<u>~</u>		
	s. e	August 13, 2007	
Inventor's Signature (Seat) '		Date Assignment Signed	
Shekhar Ramachandra BORGAONKAR		September 7, 2006	
Inventor's Typed Name		Date Application Signed	
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Inventor's Typed Name		Date Application Signed	
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PATENT APPLICATION

ATTORNEY DOCKET NO. 200505868-2

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

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Inventor's Signature (Seat)		Date Assignment Signed
Chakradhar DANDU		
Inventor's Typed Name		Date Application Signed
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Somnath BANERJEE		September 7, 2006
Inventor's Typed Name		Date Application Signed
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Inventor's Typed Name		Date Application Signed
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Before me thisday of	, personally appeared	who is personally
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Rev 02/07 (Assignment)	Page 3 of 3	My Commission Expires:
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PATENT APPLICATION

ATTORNEY DOCKET NO. ______ 200505868-2____

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:

Method And System For Communicating Media Program Information

Filing Date: Dec 18, 2006 Application No.: 11/611900

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 therefore; and any reissues, or reexaminations, or extensions of said Letters Patent.

i/we additionally authorize HPDC to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND live hereby covenant that live have full right to convey the entire interest herein assigned, and that if we have not executed and will not execute any agreement in conflict herewith, and live further covenant and agree that live will, each time a request is made, and without undue delay, execute and deliver all such papers 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 or legal representatives, and live agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to de everything 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 me/us in lending such cooperation and assistance are paid by HPDC;

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I/we further authorize and direct the attorneys of record to insert the serial number and filing date of 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.

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

Inventor's Signature (Seal)		Date Assignment Signed	
Krishnan RAMANATHAN			
Inventor's Typed Name		Date Application Signed	
State of)		
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County of	}		
Before me this day of	, personally appeared	Krishnan RAMANATHAN	who is personally
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		Notary Public	
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PATENT APPLICATION

ATTORNEY DOCKET NO. 200505868-2

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	
Ajay GUPTA Inventor's Typed Name		Date Application Signed	
State of) } ss.:		
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Before me this day of known or proved to me on the bassignment to be his/her free act an	sis of satisfactory evidence to be t	Ajay GUPTA he person who acknowledged the	who is personally foregoing instrument of
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Shekhar Ramachandra BORGAON Inventor's Typed Name	NAR.	Date Application Signed	
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Arnaud Francois Paul SALOMON		September 13, 20	06
Inventor's Typed Name		Date Application Signed	
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PATENT APPLICATION

ASSIGNMENT OF PATENT APPLICATION (cont.)

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

Inventor's Signature (Seal)	And the state of t	Date Assignment Signed	
Chakradhar DANDU			
Inventor's Typed Name		Date Application Signed	
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PATENT APPLICATION

ATTORNEY DOCKET NO. _____ 200505868-2

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Filing Date: Dec 18, 2006

Application No.: 11/611900

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IN WITNESS WHEREOF, liwe hereunto set mylour hand(s) and seal(s):

inventor's Signature (Seal)		Date Assignment Signed	
Krishnan RAMANATHAN			
inventor's Typed Name		Date Application Signed	
State of)		
) ss.:		
County of)		
Before me this day of	, personally appeared	Krishnan RAMANATHAN	who is personally
known or proved to me on the tassignment to be his/her free act	pasis of satisfactory evidence to be and deed.	the person who acknowledged the fo	oregoing instrument of
•		Notery Public	
Ray 02/07 (Assignment)	Page 1 of 3	My Commission Expires:	

PATENT APPLICATION

ASSIGNMENT OF PATENT APPLICATION (cont.)

nventor's Signature (Seal)		Date Assignment Signed	
Ajay GUPTA			
Inventor's Typed Name		Oate Application Signed	
State of)		
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inventor's Signature (Seal)	<u>t</u>	Date Assignment Signed	
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Shakhar Rampchandra BORGAONK	AR		
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Before me this day of	, personally appeared	Shekhar Ramachandra BORGAONKAR who is per-	sonally
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Arnaud François Paul SALOMON			
Inventor's Typed Name		Date Application Signed	
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	Page 2	My Commission Expires:	

PATENT APPLICATION

ATTORNEY DOCKET NO. 200505868-2

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF.	I/we heraunto sot my/our hand(t	i) and seal(s):
Trule milhar		August 13, 2007
Inventor's Signature (Seal)		Date Assignment Signed
,		November 25, 2006
Chakradhar DANDU		
Inventor's Typed Name		Date Application Signed
State of	}	
) ss.:	
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Before me this day of	, personally appeared	Chakradhar DANDU who is personally
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Somnath BANERJEE		
Inventor's Typed Name		Date Application Signed
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	Page 3 of 3	

PATENT REEL: 019780 FRAME: 0405

RECORDED: 09/02/2007