PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Nathan Binker	08/05/2008
Dana M. Vantrease	08/04/2008
Moray McLaren	08/04/2008
Marco Fiorentino	08/04/2008

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:	12999620

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 Intellectual Pro

Address Line 1: 3404 E. Harmony Road

Address Line 2: Mail Stop 35

Address Line 4: FORT COLLINS, COLORADO 80528

NAME OF SUBMITTER: Jennifer Torres

Total Attachments: 4

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Rev 10/06s (Assignment)

PATENT APPLICATION

ATTORNEY DOCKET NO. 200801444-1

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 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, entitled: OPTICAL BROADCAST SYSTEMS AND ME		application for Letters Patent	of the United States
OF HOAD BROADCAST STSTEMS AND ME			
Filing Date:		ation No.:	
and the invention(s) and improvement(s) set P's), divisionals, and renewals of and substitute Patent of the United States and of countries reissues, or reexaminations, or extensions of live additionally authorize HPDC to held and enjoyed by HPDC, its successors, as	tes for said application foreign thereto which said Letters Patent. file applications in my ssigns, nominees or I	on for said Letters Patent, and h may be granted thereon on four name for Letters Patent egal representatives, to the fo	d any and all Letters or therefore; and any in any country, to be ull end of the term or
terms for which said Letters Patent respective same would have been held and enjoyed by many AND I/we hereby covenant that I/we we have not executed and will not execute an that I/we will, each time a request is made, an	ne/us had this assign have full right to con ny agreement in confl	ment, and transfer not been n vey the entire interest herein ict herewith, and I/we further	nade; assigned, and that I/ covenant and agree
necessary or desirable to perfect the title to Patent, to HPDC, its successors, assigns, n HPDC, or to its nominee, all known facts res Letters Patent, to testify in any legal proceedir continuations, C-I-P's, reissue and foreign ap do everything possible to aid HPDC, its succenforce, for its or their own benefit, proper p countries provided the expenses which may paid by HPDC;	said invention(s) or in cominees or legal rep specting said invention ngs, to sign all lawful plications, to make all occessors, assigns, no atent protection for s	mprovernent(s), said applicat resentatives, and I/we agree n(s) or improvement(s), said papers, to execute all disclair Il rightful oaths and declaration innees and legal represent aid invention(s) or improvem	tion and said Letters to communicate to application and said mers and divisionals, ons, and generally to atives to obtain and lent(s) in any and all
AND I/we hereby authorize and requ and any official of any country or countries applications as aforesaid, to Issue to HPDC, Patent for said invention(s) or improvement(s be issued and granted on or as a result of the I/we further authorize and direct the	s foreign to the Unite, as assignee of the si, including any and a application aforesaid a attorneys of record	ed States whose duty it is entire right, title and interest all Letters Patent of the Unite , in accordance with the terms to insert the serial number a	to issue patents on , any and all Letters ed States which may s of this assignment. nd filing date of said
application now identified by the attorney do been made known to them by the United State			the same shall have
IN WITNESS WHEREOF, I/we hereunto	set my/our hand(s) an	nd seal(s):	
Inventor's Signature (Seal)		Date Assignment Signed	-
Nother (Distort		815100	,
Nathan L. Binkert Inventor's Typed Name		8/5/08 Date Application Signed	
State of)) ss.:		
County of)		
	fly appeared	Nathan L. Binkert	who is personally
known or proved to me on the basis of satisfactor assignment to be his/her free act and deed.	ory evidence to be the	person who acknowledged the 1	ioregoing instrument of
		Notary Public	

Page 1 of 2

PATENT REEL: 025515 FRAME: 0018 HEWLETT-PACKARD COMPANY intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200801444-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITHESS WHERE	OF, I/we hereunto set my/our hand(s)	and seal(s):	
() Danner	Jambo and	8-4-08	-
Inventor's Signature (Seal)		Date Assignment Signed	
Dana M. Vantrease		8-4-08	
Inventor's Typed Name		Date Application Signed	
State of)		
On which) ss.: `		
County of	,		h o io managalli.
Before me this day of	, personally appeared basis of satisfactory evidence to be the	Dana M. Vantrease	who is personally
assignment to be his/her free at	t and deed.	ie person who zomowieugod the	totallound menantions of
good dimension to be them in the are		Notary Public	
	-	My Commission Expires	:
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1111	$///\sim$	8/4/9	78
Inventor's Signature (Seal)		Date Assignment Signed Signed Date Application Signed Signed Date Da	
/		8/1/1	<i>∆</i> {⁄
Moray McLaren Inventor's Typed Name		Date Application Signed	
inventors Typeo Name		52.07 ()	
State of	1		
State of	,) ss.:		
County of)		
	, personally appeared	Moray McLaren	who is personally
Before me thisday of	basis of satisfactory evidence to be t		
assignment to be his/her free a			
		Notary Public	
		My Commission Expires	K.
Inventor's Signature (Seal)		Date Assignment Signed	
Marco Fiorentino			
Inventor's Typed Name		Date Application Signed	
State of)		
) ss .:		
County of)		
Before me this day of	, personally appeared	Marco Fiorentino	who is personally
	e basis of satisfactory evidence to be t	he person who acknowledged the	e foregoing instrument of
assignment to be his/her free a	ox and 9869.	NAME OF TAXABLE PARTY.	
		Notary Public My Commission Expire	t :
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HEWLETT-PACKARO COMPANY Intellectual Property Administrator

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(P.O. 80X Z/Z4IXI Fox Calling Calcanda 9/80Y 740X	ATT	torney docket no	200801444-1
Fort Collins, Colorado 80527-2400			
DEVELOPMENT COMPANY, L. Texas, (hereinafter HPDC), in subsidiaries and affiliates, and d	ASSIGNMENT OF PATENT APP ned (each) have agreed and hereb P., a Texes Limited Pertnership hav furtherance of my/our obligations o hereby assign and transfer to HPDC ght of priority, in, to and under an app IMS AND METHODS	y agree to assign to ing its principal place o to the Hewlett-Packa I, its successors and a	f business in Houston, ind Company and its ssigns, the entire right,
Filing Date:	Applicati	no sia ·	
and the invention(s) and improvers), divisionals, and renewals of Patent of the United States and reissues, or reexaminations, or selections of the United States and reissues, or reexaminations, or selections of the Anderson of the Anders	ement(s) set forth therein, and any ar f and substitutes for said application f I of countries foreign thereto which n	nd all continuations, cor or said Letters Patent, a response of Letters Pate of representatives, to the sued or extended, as f it, and transfer not been the entire interest here nerewith, and I/we furth execute and deliver all of ovement(s), said applicentalives, and I/we ago or improvement(s), said porting out and declara- tees and legal represed invention(s) or improve	and any and all Letters or therefore; and any country, to be a full end of the term or uity and entirely as the made; in easigned, and that If er covenant and agree such papers as may be bation and said Letters see to communicate to id application and said almers and divisionals, ations, and generally to untatives to obtain and ement(s) in any and all
AND l/we hereby author and any official of any country applications as aforesaid, to issipatent for said invention(s) or in be issued and granted on or as a l/we further authorize application now identified by the	rize and request the Commissioner of or countries foreign to the United us to HPDC, as assignee of the enti- approvement(s), including any and all to result of the application aforesaid, in and direct the attorneys of record to be statemey docket number and title as e United States Patent and Trademark	States whose duty it in the right, title and intere- letters Patent of the Un- accordance with the ter- insent the serial number of forth above as soon a	is to issue patents on ist, any and all Letters nited States which may ms of this assignment, and filing date of said
in witness whereof,	l/we hereunto set my/our hand(s) and s	eal(s):	
Inventor's Signature (Seal)		Date Assignment Signed	
Nathan L. Binkort Inventor's Typed Name		Date Application Signed	

who is personally Sefore me this day of personally appeared Nathan L. Sinkert who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of Wessy Posic My Commission Explors:

Page 1 of 2

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Rev 10/066 (Assignment)

assignment to be his/her free act and deed.

State of

County of

PATENT **REEL: 025515 FRAME: 0020** HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Bux 272400 Fort Collins, Colorado 80527-2400

ATTORNEY DOCKET NO.

200801444-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, live hereunto set my/our hend(s) and seal(s):

Date Assignment Signed inventor's Signature (Seal) Dana M. Vantrease Date Application Signed Inventor's Typed Name State of 388.3 County of personally appeared Dana M. Vantrease day of ____ Sefore me this known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed. NOTES PERSON My Commission Expires Date Assignment Signed Inventor's Signature (Seal) Moray McLaren Date Application Signed Inventor's Typed Name State of 388. County of Moray McLaren , personally appeared Before me this day of known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed. My Commission Expens Marco Picrentino Date Application Signed Inventor's Typed Name) State of 3 88.1 County of who is personally Margo Florentino , personally appeared day of known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed. NAME POST My Commission Expires: Page 2 of 2

> **PATENT** REEL: 025515 FRAME: 0021

RECORDED: 12/16/2010

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