PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6121543

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LUIS ALBERTO CAMPOS	06/20/2013
THOMAS WILLIAMS	06/20/2013
JENNIFER ANDREOLI-FANG	06/20/2013

RECEIVING PARTY DATA

Name:	CABLE TELEVISION LABORATORIES, INC.
Street Address:	858 COAL CREEK CIRCLE
City:	LOUISVILLE
State/Country:	COLORADO
Postal Code:	80027

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	16815278
Application Number:	16815285

CORRESPONDENCE DATA

Fax Number: (303)661-9199

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 3036619100

Email: p.calderwood@cablelabs.com

Correspondent Name: CABLE TELEVISION LABORATORIES, INC.

Address Line 1: 858 COAL CREEK CIRCLE

Address Line 4: LOUISVILLE, COLORADO 80027

ATTORNEY DOCKET NUMBER:	60379CON2DIV1 AND DIV2	
NAME OF SUBMITTER: PAMELA CALDERWOOD		
SIGNATURE:	/Pamela Calderwood/	
DATE SIGNED:	05/26/2020	

Total Attachments: 3

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PATENT REEL: 052747 FRAME: 0164 506074828

Attorney Docket Number	CTL 60379 PUSP

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention		NT ADAPTABLE			SYSTEM	WITH	AGILE
A 1 1							
	inventor, I hereby of	ieciare that:					
This declaration is							
	The attached application						
		cation or PCT internation filed or lication filing date and or	n		(I hereby a	uthorize th	ne
				oecome known.)			
	* *	made or authorized to b	·	d invention in the	annlication		
	•	or or an original joint in				ha alaima	•
•		d understand the conten					
	e duty to disclose fined in 37 C.F.R. §	to the U.S. Patent and 1.56.	a Frademark Offi	ce all informatio	n known to n	ie to be i	пацепат 10
Delaware , and I ASSIGNEE, its so the inventions and other legal representation of the regal representation of the regal representation of the regal representation of the result of the	naving a place of baccessors, assigns of discoveries in the entatives to make a n its or their own n its successors, assignentions and discoverinuations-in-part, due for myself, my heatters Patent of an	atories, Inc., a corpor business at 858 Coa rother legal representate above-identified applications and to recease or other legal representations or other legal representations are considered as a second control of the control of t	al Creek Circle, L tives, my entire rig ation including the eive Letters Paten y name, at its or the sentatives, all righ including all app ons and reissue ap s or other legal rep n any and all cou	ouisville, CO 800 ght, title and intere right of said AS at for said inventioneir election, and its of priority, includications claiming plications.	227, hereinaft est, domestic as SIGNEE, its sons and discoval hereby assignating any programmer of the escute any and rform any and	er referred and foreign uccessors, veries in a a, sell and visional ap the filing d all papers	d to as the in, in and to assigns or any and all set over to opplications, late hereof, s, including which said
	esent and warrant th	at I have not granted ar	ny rights inconsiste	ent with the rights	granted herein	i.	
I hereby acknowl		ful false statement mad		_	_		by fine or
LEGAL NAME C	F INVENTOR				(20 (2	
Inventor: Lu	is Alberto Campos			Date:	6-20-1.	<u> </u>	
Signature:	SAU	resto Com	1				
STATE OF COLOR	ADO)	•		3	Market area		
COUNTY OF BOU) ss. LDER)						
ELIZABET NOTARY PUBLIC Notary Identif	On th Camp	is Ath day of sos, to me known to be the executed the same f	e person named in ar		e above instrumented. L. V. M. Menamin, Notary	nt, and ackr C/N/A y Public	nowledges
Page 1 of 2 (Supp	lemental Sheet with	Additional Joint Inver	tore is attached if	necessary)			

PATENT REEL: 052747 FRAME: 0165

Attorney Docket Number	CTL 60379 PUSP

SUPPLEMENTAL SHEET FOR ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Additional Inventors Page 2 of 2

Title of Invention	COMMANDING VIDEO DEVICE USING PROGRAM MOMENTS			
Legal Name of Addi	tional Joint Inventor:			
Inventor: Jennifer A	ndreoli-Fang	Date:		
Signature:				
STATE OF)) ss.	·		
COUNTY OF				
	On this day of Fang, to me known to be the person named in and he/she executed the same for the uses and purposes	, 2013, personally appeared before me Jennifer Andreoli- who executed the above instrument, and acknowledges that s therein mentioned.		
(SEAL)		, Notary Public My Commission Expires:		
Legal Name of Addi	tional Joint Inventor:			
Inventor: Thomas W	Villiams	Date: June 20, 2013		
Signature: Thoma	ro Williams	<i>V</i>		
STATE OF COLORADO COUNTY OF BOULDER)) ss.)			
	On this 20 4 day of me known to be the person named in and who exe executed the same for the uses and purposes therei	, 2013, personally appeared before me Thomas Williams, to cuted the above instrument, and acknowledges that he/she in mentioned.		
(SEAL) NOTARY PUBL	TH V. MCMENAMIN IC - STATE OF COLORADO lification #20034017509 sion Expires 5/27/2015	Elizabeth V. McMenamin, Notary Public My Commission Expires: May 27, 2015		

Attorney Docket Number C7	TL 60379 PUSP
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SUPPLEMENTAL SHEET FOR ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Additional Inventors Page 2 of 2

Title of Invention	COMMANDING VIDE	O DEVICE USING PROGR	AM MOMENTS
Legal Name of Add	litional Joint Inventor:		
Inventor: Jennifer A	Andreoli-Fang	Date:	6/20/13
STATE OF	_)) ss. _)		
		, 2013, pers the person named in and who execute for the uses and purposes therein me	sonally appeared before me Jennifer Andreolied the above instrument, and acknowledges that entioned.
(SEAL)		My Con	, Notary Public mmission Expires:
Legal Name of Add	litional Joint Inventor:		
	Williams	Date:	
STATE OF	_)) ss. _)		
	On this day of _ me known to be the perso executed the same for the	, 2013, person named in and who executed the abecuses and purposes therein mentione	sonally appeared before me Thomas Williams, to sove instrument, and acknowledges that he/she d.
(SEAL)		My Con	, Notary Public mission Expires:

PATENT REEL: 052747 FRAME: 0167

RECORDED: 05/26/2020