PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4556190

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YANG HU	12/03/2010
JOEL SOLE	12/06/2010
XIAOAN LU	12/02/2010
PENG YIN	12/05/2010
YUNFEIZHENG	12/03/2010

RECEIVING PARTY DATA

Name:	THOMSON LICENSING
Street Address:	1 RUE JEANNE D'ARC
City:	ISSY LES MOULINEAUX
State/Country:	FRANCE
Postal Code:	92130

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15602482

CORRESPONDENCE DATA

Fax Number:

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: 609-734-6817

Email: Brian.Pritchett@Technicolor.com

Correspondent Name: BRIAN J. DORINI, THOMSON LICENSING LLC.

Address Line 1:4 RESEARCH WAY, FLOOR 3Address Line 4:PRINCETON, NEW JERSEY 08540

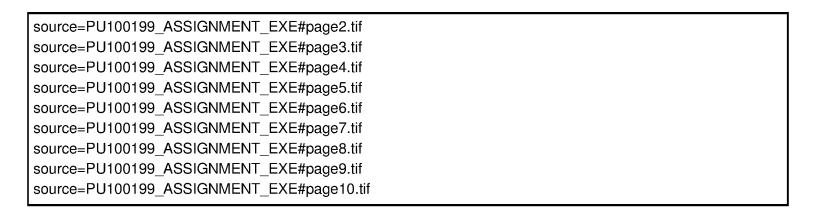
ATTORNEY DOCKET NUMBER:	PU100199 US CNT
NAME OF SUBMITTER:	RONALD KOLCZYNSKI
SIGNATURE: /Ronald Kolczynski/	
DATE SIGNED:	08/18/2017

Total Attachments: 10

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PATENT REEL: 043331 FRAME: 0545

ventions relating to	METHODS AND APPARATUS FOR IMP	med below) or ROVED EN	one of 5 joint inven	itors (if plural inventors are named below) of the
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ate with my executic For valuable as country of France as a Letters Patent i agree that, o as acts which may nd for vesting title th I agree that proporation and at its presentatives or not authorize a a or their own name, y it or them, the ben ay henceforth be su i hereby con	or consideration received, I hereby sell, assign and transity, its successors, and assigns my entire right, title and in that may be granted therefor, and any divisions, continuity when requested, I will, without charge to said corporation, when requested, I will, without charge to said corporation by be necessary, desirable or convenient for securing and pereto in said corporation, its successors, assigns or normalised to said corporation or its represent sexpense will testify in any legal proceedings, and geminess, to obtain or enforce proper protection for said in an empower said corporation, its successors, assigns on the international contribution of the right of priorsy provided by the international constituted for it, and to invoke and claim such right of priorsent that a copy of this assignment shall be deemed a full unity for any number and constituted to the property of t	fer to TROMSC literess, for all of allions, reissua in but at its expit imees. Intatives any fa enerally do eve ventions in any r nominees, to se and claim fo onventions for its lity without furfit if legal and for	ON LICENSING, a corporation ountries in and to said inventi- s and extensions thereof, anse, sign all papers, take all alents or other forms of protections in the protection of the patent of the patent of the protection of any application for patent or the Protection of and said and all patents or the protection of and said and all patents or the protection of and said and all possible to our any application of any application all patents or any application of any assignment	ores, and as the monts and provileges under any nightful caths, make all rightful declarations and ston for said inventions in any and all countries said inventions and when requested by said corporation, its successors, assigns and legal or other form of protection for said inventions in other form of protection for said inventions filed party, as amended, or by any convension which or from me.
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divences (1)	YANG HU (Type or Print)		(Signature of Full. No ini	
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inventor (2)	JOEL SOLE (Type or Print)	ELECT.	(Signature in Full. No init	185.)
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2ndWitness				
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Signed at	Princeton, New Jersey USA	Date	***************************************	
Inventor (3)	XIAOAN LU			
	(Type or Print)	····	(Signature in Fuli. No initi	815.)
Po	st Office Address 30 Kennedy Court, P	rinceton,	New Jersey 08540	
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Petent Operations THOMSON Licensing LLC PO Box 5812 Princeton, NJ 08543-5312

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

hereby declare that am the sole inventor (if only one inventor is named below) or one of _______ joint inventors (if plural inventors are named below) of the

	cation for Patent filed on	October 14 2010	mds. c	zzanana ział NI-	64/565 405		
	, listed abo		under Se	ານສາ ເຈນ.	01/202,190	and described in	n the file associated
	construction of the contraction	202011100111					
all Letters Patent I agree that, all acts which may for vesting title th I agree that oration and at it esentatives or no I authorize a or their own name, or them, the ben I hereby consequired in any coir striad Property, as	consideration received, a its successors, and assist that may be granted their when requested, I will, way be necessary, desirable sereto in said corporation. I will communicate to a sexpense will testify in minees, to obtain or enfound empower said corporation, or in my/our name, in artificial the right of priority bestituted for it, and to invested the copy of this assuntry for any purpose and on for said inventions, as a mended, or by any comits THOMSON LICE inveyed by me are free an	refor, and any divisions, continuous charge to said corporation or its successors, assignated corporation or its reamy legal proceedings, inceproper protection for the successors, assignated countries and to provided by the international and claim such right signment shall be deemed more particularly in provided to the and claim such right and the and claim such right signment shall be deemed more particularly in provincia to claim the aforesait vention which may hence	continuations, reissue poration but at its exp ang and maintaining p or nominess. appresentatives any is and generally do ever said inventions in any aigns or nominess, to o invoke and claim to onal Convention for it of priority without furt as a full legal and for of the right of the sid do the night of the sid do the besubstituted it.	as and expense, signaterits or acts know anything py and all comments or any appropriate any a	tensions thereof. In all papers, take a other forms of prof In the respectir In the respective In	il righthul caths, make all i lection for said inventions of said inventions and we disconsistent, its success to other form of protection rober form of protection roberty, as amended, or b ion from me. ment, consent to file or like ssors, assigns or nomines a International Conventio	and privileges under rightful declarations in any and all cour than requested by sors, assigns and on for said inventions for said inventions y any convention we are document which se to apply for peter in for the Protection
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described in	an Applic	ation for Patent filed on	October 14, 2010	under Seris	I No61/39	33 105	and described in the file	
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For the country of and all Lette and all Lette and all Lette and to see and the corporation representation is autits or their or them may henceful the be required to other proper industrial Production of the country	valuable of France, or	consideration received, its successors, and assistant may be granted them when requested, i will, will be necessary, desirable areto in said corporation, it will confirm the said corporation of the received and empower said corporation of the right of priority positiuted for it, and to investituted for it.	I hereby seil, assign and tigns my entire right, title a efor, and any divisions, coor or convenient for securing its successors, assigns or aid corporation or its repany legal proceedings, and co proper protection for settion, its successors, assign and all countries and to provided by the internation oke and claim such right of signment shall be deemed i more particularly in proof to claim the aforesaid vention which may hence the contraction of the claim the aforesaid vention which may hence the contractions and to claim the aforesaid vention which may hence the contractions are the contractions.	nd merest, for all co- ristinuations, reissues ration but at its exper g and maintaining pai nominees. resentatives any fac ad generally do ever aid inventions in any a pas or nominees, to r invoke and claim for nal Convention for the f priority without furth a full legal and form of the right of the sa benefits of the right outh be substituted fo	untries in and and extension ise, sign as parents or other it is known to repthing possible and all countrie nake application in Protection of ar written or or all equivalent or id corporation of priority pro-	to said inventions is thereof, apers, take all right forms of protection me respecting said to aid said conces. In the said said concession for patent or on for patent or other industrial Proper rail authorization for any assignment or its successors ovided by the integral porninger, that	consent to file or like docur , assigns or nominees to ap- emational Convention for the	leges under any declarations and all countries quested by said signs and legal aid inventions illed onvention which ment which may ply for patent or le Protection of
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ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

total in an Application for Placent Ried on October 14, 2010 under Senat No. 617933,195 and described in the file associated No. 6 is used above or, if not identified here by liting date and serial number or by the Docken Number intend above, oxecuted by the or other him yes varieties of the Assignment/Appelment. For valuable constitution received, I himsely self, assign and terrelate to THOMEON LICENSON, a composition, and all the relation of the Assignment/Appelment. For valuable constitution received, I himsely self, assign and terrelate to THOMEON LICENSON, a composition, and all the relation of the control	had in on Analia	otion for Datas tiled -	Ontohay 14 MAIN			ealeen ace		
with my execution of this Assignment/Agreement. For valuable consideration consecuted, thereby self, assign and transfer to THOMSON LICENSING, a corporation duly organized and existing under the truthy of Franco, its auccessors, and assigns my entire right, title and interest, for all countries in and to paid inventions, and all the rights and privileges uncleave that may be grarted inventions, and all the rights and privileges uncleave that may be grarted inventions or the countries of the rights and privileges unclearly that the province of the countries of the rights and privileges unclearly that the province of the countries of the rights and privileges unclearly that the province of the countries of the rights and privileges unclearly that the province of the countries of the rights and privileges and inventions of the rights and province of the rights and all the response will be self in any legal proceedings, and generally do everything possible to add and comprehense. I addition and all the response will be self in any legal proceedings, and generally do everything possible to add and comprehense and compreh								
For visuable consideration received. I hereby self, assign and transfer to THOMOON LOCKNOWG, a corporation day organized and oxiding under the futury of Fance, its successors, and segment profit and privileges uncl. Letters Patent that may be granted therefor, and any divisions, contributions, releases and extensions thereof. I agree this, when requested, 1 will, without claring to seal corporation that it as expenses, sign elipapers, take all rightful declaration. I agree that, when requested, 1 will, without clarings to seal corporation that it as expenses, sign elipapers, take all rightful declaration and at the expense will commissed to each corporation for its representatives and the respect of all commisses on a road control control and at its expense will contribute and employer and control proper protection for seal diversities and removations, to other than the protection for seal diversities and employers and composers and compos	ith my execution	, listed abov	ve or, if not identified here by	filing date and ser	ial numi	er or by the Docket	Number listed above,	executed by me on
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inventor (1)	YANG HU				
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I hereby declare that I am the sole inventor (if only one inventor is named below) or one of ______ joint inventors (if plural inventors are named below) of the

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thereby declare that it am the sole inventor (if only one inventor is named believentions relating to METHODS AND APPARATUS FOR IMPROVE	low) or one of5 joint inventors (if plural inventors are named below) of the DENTROPHY CODING
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and all Letters Patent that may be granted therefor, and any divisions, continuations, if agree that, when requested, I will, without charge to said corporation but at do all acts which may be necessary, desirable or convenient for securing and maintal and for vesting title thereto in said corporation, its successors, assigns or nominees. If agree that I will communicate to said corporation or its representatives corporation and at its expense will testify in any taget proceedings, and generably representatives or nominees, to obtain or enforce proper protection for said inventions. I authorize and empower said corporation, its successors, assigns or nomines or their own name, or in my/our name, in any and all countries and to invoke and oby it or them, the benefit of the right of priority provided by the international Convention may herestorth be substituted for it, and to invoke and claim such right of priority with I hereby consent that a copy of this assignment shall be deemed a full legal as be required in any country for any purpose and more particularly in proof of the right of the proper protection for said inventions, and to claim the alloresaid benefits of Industrial Property, as amended, or by any convention which may henceforth be substituted.	resides and extensions thereof. Its exponence is the control of the protection for add inventions in any and all countries any facts known to me respecting said inventions and when requested by said do everything possible to aid said corporation, its successors, assigns and legal in any and all countries. eas, to make application for patent or other form of protection for said inventions in taim for any application for patent or other form of protection for said inventions filed on for the Protection of Industrial Property, as amended, or by any convention which out further written or oral authorization from me. Indicate the protection of any assignment, consent to file or little document which may of the said corporation or its successors, assigns or nominees to apply for patent or the right of priority provided by the International Convention for the Protection of lituted for it.
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Inventor (2) JOEL SOLE	
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Inventor (1)	YANG HU				
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ocket No.	, listed above or, if not identified here by		ial number or by the Docket Number listed above, executed by me on even
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nd all Letters Patent, in all Letters Patent is agree that, is all each which may nd for vesting title the proporation and at its appresentatives or none a authorize are sor their own name, yit or them, the beauty henceforth be suit as prequired in any countries in any countries.	In the successors, and essigns my entire right, the and that may be granted therefor, and any divisions, contained the requested, I will, without charge to said corporate be necessary, desirable or convenient for securing a perto in said corporation, its successors, assigns or not be communicate to said corporation or its representations will testify in any legal proceedings, and ninees, to obtain or enforce proper protection for said and empower said corporation, its successors, assigns or in my/our name, in any and all countries and to interest of the right of priority provided by the international positived for it, and to invoke and claim such right of pent that a copy of this assignment shall be deemed a mitry for any purpose and more particularly in proof on for said inventions, and to claim the atcrease in the for said inventions, and to claim the atcrease in the storesaid.	I interest, for as co- inuations, reissues and maintaining pa- ominees, sentatives any fac- generally do ever I inventions in any a- s or nominees, to r- voke and claim for I Convention for the priority without furth a full legal and form if the right of the sa- lessetts of the right	nse, sign all papers, take all rightful oaths, make all rightful declarations and leants or other forms of protection for said inventions in any and all countries its known to me respecting said inventions and when requested by said yffiling possible to aid said corporation, its successors, assigns and legal and all countries. nake application for patent or other form of protection for said inventions in any application for patent or other form of protection for said inventions filed a Protection of industrial Property, as amended, or by any convention which are written or oral authorization from me. at equivalent of any assignment, consent to file or like document which may aid corporation or its successors, assigns or nominees to apply for patent or at a pricing the medical patents.
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covenant wi nd interest herein cor	th INOMSON LICENSING, its successors, a new second of the	assigns, legal repre	isentatives, and nominees, that to the best of my knowledge the right, title § right to convey the same as herein symposord
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inventor (4)	PENG YIN		
	(Type or Print)	-	(Signature in Full. No initials.)
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1st Witness	(Type or Print)	CONTROLLAR .	
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	(1) po 01 7 1411)		(Signature in Full. No initials.)
Signed at	San Diego, California USA	Date	Doc 03, 2010
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