# 502519295 10/03/2013

# PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
WEI ZHOU	07/12/2012
JUN LI	07/19/2012
XIAOJUN MA	07/05/2012

# RECEIVING PARTY DATA

Name:	THOMSON LICENSING
Street Address:	1-5 rue Jeanne d'Arc
City:	lssy Les Moulineaux
State/Country:	FRANCE
Postal Code:	F-92130

# PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13808032

## CORRESPONDENCE DATA

Fax Number: (609)734-6888

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 609-734-6828

Email: uspto@technicolor.com

Correspondent Name: ROBERT D. SHEDD, THOMSON LICENSING LLC

Address Line 1: 2 INDEPENDENCE WAY, SUITE 200
Address Line 4: PRINCETON, NEW JERSEY 08540

ATTORNEY DOCKET NUMBER:	PA100025 US PCT	
NAME OF SUBMITTER:	PATRICIA A. VERLANGIERI	
Signature:	/Patricia A. Verlangieri, Reg No 42201/	
Date:	10/03/2013	

## Total Attachments: 3

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> PATENT REEL: 031336 FRAME: 0278

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

Docket No. PA100025

I heraby 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 inventors natating to

METHOD AND APPARATUS FOR OBJECT TRACKING AND RECOGNITION

described in an Application filed on

July 02, 2010 under Application No. PCT/CN3010/0016000

\_\_\_\_ and described in the file associated with Docket No. PA100025

For valuable consideration received, I hereby self, assign and transfer to Thomson Licensing, a corporation duly organized and existing under the laws of the country of France, its successors, and assigns my entire right, life and interest, for all countries in end to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, releases and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful declarations and do all acts which

may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nominees.

Lagree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enfonce proper protection for said inventions in any and all countries.

proper protection for said inventions in any and all countries.

I authorize and ampower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in mytour name, in any and all countries and to invoke and daten for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral suchorization from me.

I hereby consent that a copy of this assignment stail be deamed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which

may henceforth be substituted for it.

Covenant with Thomson Licensing, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, little and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed at	Beiling, CHins		Date	7/12/2012
Inventor (1)	ZHOU Wei (Type or Print)			Zhou Wei (Signature in Full. No mittata.)
Pe		8F, Building A TECHNOLOG BEIJING - CHINA	Y FORTU	NE CENTER, 8 Xue Qing Road, Hai Dian District,100192
	1/ h	20		III Was a second
1st Witness	(Type of Print)	<u> </u>		Vala Kla VA
: 2ndWitness	W M	41/4		W CHONG
	(Type or Print)	·		(Signature in Full. No initials.)
Signed at			Date	
Inventor (2)	LI Jun	***************************************		***************************************
	(Type or Print)			(Signature in Full. No initials.)
Po	st Office Address	9 Jefferson Road, New Jerse	y 08512 C	RANBURY - USA
		***************************************	(naanaanaanaana	
1st Witness	(Type or Print)			(Signature in Full. No initials.)
	( spe or ) (su)			(Mighatta and Car Kalanas)
2ndWilness	(Type or Print)			(Signature in Full, No initials.)
				(configuration at 1, std. 140 bittisto)
Signed at			Date	
	***************************************	***************************************		***************************************
Inventor (3)	MA Xiaojun			***************************************
	(Type or Print)			(Signature in Full. No Initials.)
Pa		8F, Building A TECHNOLOG' BEIJING - CHINA	Y FORTU	NE CENTER, 8 Xue Qing Road, Hai Dian District,100192
1st Witness				
i ac withbes	(Type or Print)	***************************************		(Signature in Full. No initials.)
2ndV#lness	(Type or Print)			(Signature in Full. No Initiate.)

After this Assignment has been recorded please RETURN to:

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Docket No. PA100025

described in an Application filed on

Thereby declare that I am the sale inventor (if only one inventor is named below) or one of \_\_\_\_\_\_\_joint inventors (if plural inventors are named below) of inventors releang to

\_method and apparatus for object tracking and recognition

July 02, 2010 under Application No. PCT/CN2010/001900 and described in the file associated with Docket No. PA100025

For valuable consideration received, I hereby set, assign and transfer to Thomson Licensing, a corporation duly organized and existing under the laws of the country of France, its successors, and assigns my entire right, little and interest, for all countries in and to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, releases and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any end all countries and for vesting title thereto in said corporation, its successors, assigns or nominees.

composition, desirable, desirable of continues and in reasoning patents of composition, it is successors, assigns or nominees.

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally de everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper profection for said inventions in any and all countries.

I suitorize and ampower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in the successors, assigns or nominees.

I suthorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in mylour name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of provided by the international Convention for the Protection of Industrial Property, as amended, or by any convention which may herceforth be substituted for it, and to shocks and claim such right of priority without further written or oral authorization from me.

photory provision by the interfactoria Convention for the Projection of industrial Property, as amended, or by any convention which may hereafted for it, and to stycke and claim such high of priority without further written or one) authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more pasticularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patient or other proper protection for each inventions, and to claim the affersastic benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I coveriant with Thomson Licensing, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed at		Date
Inventor (1)	ZHOU Wei	
	(Type or Psint)	(Signature in Fult. No initials.)
Pos	t Office Address 8F, Building A TECHNOLOG BELJING - CHINA	Y FORTUNE CENTER, 8 Xue Qing Road, Hai Dian District, 100192
1st Witness	(Type or Print)	(Signature in Fut. No initiate.)
2ndWitness		
	(Typs or Print)	(Signature in Full, No initials.)
Signed at	Kijvis, China	Date 7/19/20/2
Inventor (2)	Li Jun	J. C.
	(Type or Print)	(Signature in Full. No initials.)
Pos	t Office Address 9 Jefferson Road, New Jerse	y 08512 CRANBURY - USA
1st Witness	- Hon Reiger	Perperi
2ndWiness	Donah G	Porgh Ci
	(Type or Print): [/	(Signature in Pwf. No initiate.)
Signed at	***************************************	Date
Inventor (3)	MA Xiaojun	
	(Type or Print)	(Signature in Full, No initials )
Pos	8F, Building A TECHNOLOG' BELING - CHINA	Y FORTUNE CENTER, 8 Xue Qing Road, Hai Dian District,100192
1st Witness		
	(Type or Print)	(Signature in Fulk No instals )
2ndWiness	(Type or Print)	(Signature in Full: No Initials.)
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I hereby declare that I am the sole inventor (if only one mention is remed below) or one of 12 joint inventors (if plural inventors are named below) of inventors relating to

# METHOD AND APPARATUS FOR OBJECT TRACKING AND RECOGNITION under Application No. PCT/CN2610/001000 and described in the file associated with Docket No. PA100025 For yakuable consideration received, I hereby self, assign and transfer to Thomson Licensing, a corporation duly organized and existing under the laws of the country of France, its successors, and assigns my entire right, title and interest, for all countries in and to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, releases and extensions thereof. I agree that, when requested, self, without charge to said corporation but at its expense, sign all papers, take all rightful caths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining paterts or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nominees. I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries. I subhorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in mylour name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me. I hereby consent that a copy of this assignment shall be dearned a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said invantione, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it. Looveners with Thomson Licensing, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, little and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed. Signed at inventor (1) ZHOU Wei (Type or Print) Post Office Address 8F, Building A TECHNOLOGY FORTUNE CENTER, 8 Xue Qing Road, Hai Dian District,100192 BEIJING - CHINA 1st Witness (Type or Print) (Signature in Full. No initials.) 2ndWitness (Signature in Full. No initials.) (Type or Print) Signed at Date inventor (2) LI Jun (Signature in Full. No initials.) (Type or Print) Post Office Address 9 Jefferson Road, New Jersey 08512 CRANBURY - USA ist Witness (Type or Print) (Signature in Full. No initials.) 2ng/Vimess (Type or Print) Signed at inventor (3) MA Xiaojun

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8F, Building A TECHNOLOGY FORTUNE CENTER, 8 Xue Qing Road, Hai Dian District, 100192

Patent Operations THOMSON Licensing LLC PO 80x 5312 Princeton, NJ 08543-5312

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1st Witness

2ndWmass

(Type or Print)

BEIJING - CHINA

Post Office Address