504079925 11/03/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ARTHUR MIKHNO	09/16/2015
ELSA D. ANGELINI	07/23/2014
ANDREW F. LAINE	09/04/2014
TODD OGDEN	09/29/2015
JOSEPH JOHN MANN	06/05/2015

RECEIVING PARTY DATA

Name:	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
Street Address:	412 LOW MEMORIAL LIBRARY
Internal Address:	535 WEST 116TH STREET
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10027

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15256435

CORRESPONDENCE DATA

Fax Number: (617)526-5000

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: 6175266000

Email: WHIPDocketStaff@wilmerhale.com

Correspondent Name: WILMERHALE
Address Line 1: 60 STATE STREET

Address Line 4: BOSTON, MASSACHUSETTS 02109

ATTORNEY DOCKET NUMBER:	19240.1082 US2
NAME OF SUBMITTER:	MICHAEL E. CONNORS
SIGNATURE:	/Michael E. Connors/
DATE SIGNED:	11/03/2016

PATENT 504079925 REEL: 040211 FRAME: 0358

Total Attachments: 10 source=Assignment_-_Columbia_signed#page1.tif source=Assignment_-_Columbia_signed#page2.tif source=Assignment_-_Columbia_signed#page3.tif source=Assignment_-_Columbia_signed#page4.tif source=Assignment_-_Columbia_signed#page5.tif source=Assignment_-_Columbia_signed#page6.tif source=Assignment_-_Columbia_signed#page7.tif source=Assignment_-_Columbia_signed#page8.tif source=Assignment_-_Columbia_signed#page9.tif source=Assignment_-_Columbia_signed#page9.tif

Attorney Docket No. 19240.1082 WO1

ASSIGNMENT

WHEREAS, We, Arthur MIKHNO, residing at 513 Sayre Drive, Princeton, New Jersey 08540; Elsa

D. ANGELINI, residing at 10 Liberty Street, Apt. 4E, New York, New York 10005; Andrew F.

LAINE, residing at 2700 Broadway, Apt. 12D, New York, New York 10025; Todd OGDEN,

residing at 950 Windsor Road, Teaneck, New Jersey 07666; and Joseph John MANN, residing at

4550 Livingston Avenue, Riverdale, New York 10471; the "Assignors," are the inventors of certain

new and useful inventions and discoveries relating to "REGULARIZATION OF IMAGES"

hereinafter the "Invention," for which an International Patent Application was filed with the United

States Patent and Trademark Office as Receiving Office on March 4, 2015, and assigned Application

No. PCT/US15/18817; (the "Applications"); and

WHEREAS, The Trustees of Columbia University in the City of New York, existing under the laws

of the State of New York, having its principal office at 412 Low Memorial Library, 535 West 116th

Street, New York, NY 10027, and which, together with its successors and assigns, is hereinafter

called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter

recited;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and

sufficiency of which is hereby acknowledged, Assignors hereby assign to Assignee all of Assignors'

right, title and interest in the Invention, all improvements therein, the Applications and all priority

rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any

country upon any patent applications which correspond with any of the following: the Applications;

any application that claims priority from the Applications (including utility applications, divisionals,

continuations, continuations-in-part, international applications or any foreign regional or national

applications), or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without

further consideration, cooperate with Assignee in the prosecution of all of the above applications,

execute, verify, acknowledge and deliver all such further papers, including applications for patents

and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will

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communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN TESTIMONY WHEREOF, I have SEPTEMBER 2015 (Month/)	(ear) AS
	Arthur MIKHNO
- known to me to be the same individual w	/2015 (Month/Year), Arthur MIKHNO, personally the executed the foregoing Assignment, acknowledged tis/her own free will for the use and purposes therein set
	iness: UQUOL
Prin	nted Name: <u>Masilanve Kozhan - Goro</u> đekka
Res	idential Address: 513 Sayn Dr Princeton IN 1965Un
······	110004040

IN TESTIM	IONY WHEREC	OF, I have hereunto set my hand and seal this day of(Month/Year). Elsa D. ANGELINI
known to me	e to be the same in	(Month/Year), Elsa D. ANGELINI, personally adividual who executed the foregoing Assignment, acknowledged me was of his/her own free will for the use and purposes therein set
		WITNESS:
		Printed Name:
		Residential Address:

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Assignment

Attorney Docket No. 19240.1082 WO1

IN TESTIN		F, I have hereunto (Month/Year).	set my	hand a	and sea	l this	day of
				A	Andrew I	F. LAINE	
known to m	e to be the same in	dividual who execut ne was of his/her ow	ed the fore	egoing A	Assignm	ent, ackno	wledged
		WITNESS:					
		Printed Name	o:				
		Residential A	ddress: _				

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 29th day o September 2015 (Month/Year). Todd OGDEN
On this 29th day of September 2015 (Month/Year), Todd OGDEN, personally known to me to be the same individual who executed the foregoing Assignment, acknowledged to me that execution of the same was of his/her own free will for the use and purposes therein set forth. WITNESS:
Printed Name: SONIA V LYN
Residential Address: 17 Lymb PLACE ROOSEVELT, NY, 11575
,

Francesca ZANDERIGO

On this personally kneacknowledged purposes there	f to me that execution	(Month/Year), Francesca ZANDERIGO, same individual who executed the foregoing Assignment, on of the same was of his/her own free will for the use and
		WITNESS:
		Printed Name:
		Residential Address:
N.		
IN TESTIMO	ONY WHEREOF,	I have hereunto set my hand and seal this Th day of Ionth/Year).
		Joseph John MANN
known to me	to be the same indiv	(Month/Year), Joseph John MANN, personally idual who executed the foregoing Assignment, acknowledged was of his/her own free will for the use and purposes therein set
		WITNESS: Jahan Jahan
		Printed Name: Jahr/la Vashida 27
		Residential Address: 3°T1 Edwin UVC, 3B
		Jus 204 19 12-7

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Attorney Docket No.: 19240.10821.81 / CU14251

ASSIGNMENT DE Liberty Street, Apt 48, New York

WHEREAS, we, Arthur MIKHNO, residing at 278 Phillips Hill Road, New City, New York $\int^{N/\sqrt{1005}}$ 10956; Elsa D. ANGELINI, residing at 46-rue thermath, Paris, France 73013; and Andrew F. LAINE, residing at 2700 Broadway, Apartment 12D, New York, New York 10025 (collectively the "Assignors") are the co-inventors of a certain new and useful invention and discovery entitled "REGULARIZATION OF IMAGES" ("the Invention") for which a U.S. provisional patent application was filed with the United States Patent and Trademark Office on March 4. 2014 and assigned U.S. Provisional Application No. 61/947,739, hereinafter "the Application": and

WHEREAS. The Trustees of Columbia University in the City of New York, existing under the isses of the State of New York, having its principal office at 412 Low Memorial Library, 535 West 116th Street, New York, New York 10027, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors hereby assign to Assignee all of Assignors' right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any applications and/or patents, and any reissues. reexams, and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including utility applications, divisionals, continuations, continuations-in-part, international applications and/or any foreign regional and/or national applications), or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the invention and improvements therein in any and all

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countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

We represent and warrant that we have the full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

Arthur MIKHNO
(Month/Year), Arthur MIKHNO, personally who executed the foregoing Assignment, and who the same was of his/her own free will for the use and
WITNESS:
Printed Name:
Residential Address:

IN TESTIMONY WHEREOF, I have hereunto	set my hand and seal this 23 day of
	Iso D. ANGELINI
known to me to be the same individual who ex acknowledged to me that execution of the sam purposes therein set forth.	e was of his/her own free will for the use and
WITNES	
Printed A	iame: <u>MARKICO CASACEVACE</u>
Residenti	ial Address: 10 LGZZTY ST #46
	NEW YORK NY 100+5

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EA: 04/4/2014

Andrew F. LAINE
14 (Month/Year), Andrew F. LAINE, personally o executed the foregoing Assignment, and who same was of his/her own free will for the use and
NESS: Steven Vung
ed Name: Steven Vuong
lential Address: 3748 90th street

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RECORDED: 11/03/2016

94/54 Q.J.