07/25/2018 505019770

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5066518

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAVEL POKOTILOV	04/09/2018
DMITRY YURIEVICH CHEKH	04/04/2018
DMITRIY KONSTANTINOVICH TEN	04/05/2018
SAMUEL BLANCO	04/26/2018
DAVID PATRICK LOPES	06/28/2018
JASON RAMOS	04/10/2018
RENE M. STERENTAL	04/02/2018
EVGENII VLADIMIROVICH KARNYGIN	05/07/2018

RECEIVING PARTY DATA

Name:	ALIGN TECHNOLOGY, INC.
Street Address:	2820 ORCHARD PARKWAY
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15926825

CORRESPONDENCE DATA

(206)883-2699 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.

kchance@wsgr.com Email:

WILSON SONSINI GOODRICH & ROSATI Correspondent Name:

Address Line 1: 650 PAGE MILL ROAD

Address Line 4: PALO ALTO, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER:	22773-881.201
NAME OF SUBMITTER:	KEVIN J. CHANCE
SIGNATURE:	/Kevin J. Chance/
DATE SIGNED:	07/25/2018

Total Attachments: 15 source=22773-881.201 Executed Assignments#page1.tif source=22773-881.201 Executed Assignments#page2.tif source=22773-881.201 Executed Assignments#page3.tif source=22773-881.201 Executed Assignments#page4.tif source=22773-881.201 Executed Assignments#page5.tif source=22773-881.201 Executed Assignments#page6.tif source=22773-881.201 Executed Assignments#page7.tif source=22773-881.201 Executed Assignments#page8.tif source=22773-881.201 Executed Assignments#page9.tif source=22773-881.201 Executed Assignments#page10.tif source=22773-881.201 Executed Assignments#page11.tif source=22773-881.201 Executed Assignments#page12.tif source=22773-881.201 Executed Assignments#page13.tif source=22773-881.201 Executed Assignments#page14.tif source=22773-881.201 Executed Assignments#page15.tif

WSGR Reference No.: 22773-881,201 Align Reference No.: 1388.US.P1

ASSIGNMENT OF NONPROVISIONAL PATENT APPLICATION

JOINT

WHEREAS, Pavel POKOTILOV of Moscow, Russia; Dmitry Yurievich CHEKH of Moscow, Russia; Dmitriy Konstantinovich TEN of Novosibirsk, Russia; Samuel BLANCO of Saratoga, California, United States; Dr. David Patrick LOPES of El Dorado Hills, California, United States; Dr. Jason RAMOS of Heredia, Costa Rica; Dr. Rene M. STERENTAL of Palo Alto, California, United States; and Evgenii Vladimirovich KARNYGIN of Moscow, Russia, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention:

GENERATING A VIRTUAL DEPICTION OF AN

ORTHODONTIC TREATMENT OF A PATIENT

Filing Date:

March 20, 2018

Application No.:

15/926,825

WHEREAS, Align Technology, Inc., a corporation of the state of Delaware, located at 2820 Orchard Parkway, San Jose, California 95134, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Dated: 9 Apzil 2018	
	Pavel POKOTILOV
Dated:	Dmitry Yurievich CHEKH
Dated:	Dmitriy Konstantinovich TEN
Dated:	Samuel BLANCO

Assignment Application No.: 15/926,825 Attorney Docket No.: 22773-881,201 Page 2	
Dated:	Dr. David Patrick LOPES
Dated:	Dr. Jason RAMOS
Dated:	Dr. Rene M. STERENTAL
Dated:	Evgenii Vladimirovich KARNYGIN

WSGR Reference No.: 22773-881.201 Align Reference No.: 1388.US.P1

ASSIGNMENT OF NONPROVISIONAL PATENT APPLICATION

JOINT

WHEREAS, Pavel POKOTILOV of Moscow, Russia; Dmitry Yurievich CHEKH of Moscow, Russia; Dmitriy Konstantinovich TEN of Novosibirsk, Russia; Samuel BLANCO of Saratoga, California, United States; David Patrick LOPES of El Dorado Hills, California, United States; Jason RAMOS of Heredia, Costa Rica; Rene M. STERENTAL of Palo Alto, California, United States; and Evgenii Vladimirovich KARNYGIN of Moscow, Russia, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention:

GENERATING A VIRTUAL DEPICTION OF AN ORTHODONTIC TREATMENT OF A PATIENT

Filing Date:

March 20, 2018

Application No.:

15/926,825

WHEREAS, Align Technology, Inc., a corporation of the state of Delaware, located at 2820 Orchard Parkway, San Jose, California 95134, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Dated:		
	1	Pavel POKOTILOV
Dated: Apz/ 04 2018		
		Dmitry Yurievich CHEKH
Dated:		
		Dmitriy Konstantinovich TEN
Dated:		
~.		Samuel BLANCO

ated:	
	David Patrick LOPES
ated:	
	Jason RAMOS
ated:	
	Rene M. STERENTAL
ated:	<u> </u>
•	Evgenii Vladimirovich KARNYGIN

WSGR Reference No.: 22773-881,201 Align Reference No.: 1388,US.P1

ASSIGNMENT OF NONPROVISIONAL PATENT APPLICATION

JOINT

WHEREAS, Pavel POKOTILOV of Moscow, Russia; Dmitry Yurievich CHEKH of Moscow, Russia; Dmitriy Konstantinovich TEN of Novosibirsk, Russia; Samuel BLANCO of Saratoga, California, United States; David Patrick LOPES of El Dorado Hills, California, United States; Jason RAMOS of Heredia, Costa Rica; Rene M. STERENTAL of Palo Alto, California, United States; and Evgenii Vladimirovich KARNYGIN of Moscow, Russia, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention:

GENERATING A VIRTUAL DEPICTION OF AN ORTHODONTIC TREATMENT OF A PATIENT

Filing Date:

March 20, 2018

Application No.:

15/926,825

WHEREAS, Align Technology, Inc., a corporation of the state of Delaware, located at 2820 Orchard Parkway, San Jose, California 95134, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Dated:	Pavel POKOTILOV
	Pavers Oscoribo
Dated:	Dmitry Yurievich CHEKH
Dated: <u>April 5,2018</u>	
	Dmitriy Konstantinovich TEN
Dated:	
	Samuel BLANCO

Dated:	David Patrick LOPES
Dated:	Jason RAMOS
Dated:	Rene M. STERENTAL
Dated:	Evgenii Vladimirovich KARNYGIN

WSGR Reference No.: 22773-881,201 Align Reference No.: 1388,US.P1

ASSIGNMENT OF NONPROVISIONAL PATENT APPLICATION

JOINT

WHEREAS, Pavel POKOTILOV of Moscow, Russia; Dmitry Yurievich CHEKH of Moscow, Russia; Dmitriy Konstantinovich TEN of Novosibirsk, Russia; Samuel BLANCO of Saratoga, California, United States; David Patrick LOPES of El Dorado Hills, California, United States; Jason RAMOS of Heredia, Costa Rica; Rene M. STERENTAL of Palo Alto, California, United States; and Evgenii Vladimirovich KARNYGIN of Moscow, Russia, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention:

GENERATING A VIRTUAL DEPICTION OF AN ORTHODONTIC TREATMENT OF A PATIENT

Filing Date:

March 20, 2018

Application No.:

15/926,825

WHEREAS, Align Technology, Inc., a corporation of the state of Delaware, located at 2820 Orchard Parkway, San Jose, California 95134, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated:	
	Pavel POKOTILOV
Dated:	
	Dmitry Yurievich CHEKH
Dated:	
	Dmitriy Konstantinovich TEN
Dated: 4/26//8	List Blue
	Samuel BLANCO

David Patrick LOPES

Jason RAMOS

Rene M. STERENTAL

Evgenti Vladimirovich KARNYGIN

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County ofSanta Clara)	
On April 2, 2018 before me, Lir	nda R. Vajretti, Notary Public (insert name and title of the officer)
personally appeared Rene M. STERENTAL basis of satisfactory evidence to be the person(s) within instrument and acknowledged to me that he authorized capacity(ies), and that by his/her/their or the entity upon behalf of which the person(s) ac	e/she/they executed the same in his/her/their signature(s) on the instrument the person(s)
I certify under PENALTY OF PERJURY under the la paragraph is true and correct.	aws of the State of California that the foregoing
WITNESS my hand and official seal. Signature	LINDA R. VAJRETTI COMM. #2134711 x Notary Public - Celifornia 3 Sente Clare County My Comm. Expires Dec. 3, 2019 (

DOCUMENT NAME:

Assignment 1388.US.PT

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

validity of that document.			<u></u>
State of California County of Santa Clara)		
On Aprìl 26, 2018	_ before me,	Linda F	R. Vajretti, Notary Public sert name and title of the officer)
		(ms	sert hame and title of the officer)
personally appeared Samuel E	BLANCO		, who proved to me on the
hasis of satisfactory evidence to	he the nersor	n(s) who	ose name(s) is/are subscribed to the
within instrument and acknowled	aed to me the	at he/she	ne/they executed the same in his/her/their
			nature(s) on the instrument the person(s),
or the entity upon behalf of which			
	JURY under t	he laws	s of the State of California that the foregoing
paragraph is true and correct.			
WITNESS my hand and official se	al.		LINDA R. VAJRETYI
A A A A A A A A A A A A A A A A A A A	~	immin	- C. LUNA COMM. #2134711 Z
/	T .	A STATE OF THE STA	2662630 Notary Public - California 5 200297 Senta Clara County 5
	$1 \wedge /$		No. 18 Sept. Sty. Comm. Expires Dec. 3, 2019
Signature	////	_ (Sea	eal)
81 81	$\alpha = M$		

DOCUMENT NAME:

Assignment 1388.US.P1

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of)			
On June 28, 20	18	before me,	Linda R. Va	jretti, Notary Publi	С
			(însert na	me and title of the o	fficer)
personally appear	ad David Pa	trick LOPES	*		
subscribed to the his/her/their autho	vithin instrume ized capacity(nt and acknow ies), and that b	ledged to me y his/her/thei	the person(s) whose that he/she/they exert signature(s) on the ted, executed the in-	ecuted the same in instrument the
I certify under PEI paragraph is true		RJURY under t	he laws of the	State of California t	that the foregoing
WITNESS my han	d and official s	eal.		CO E E E E E E E E E E E E E E E E E E E	NDA R. VAJRETTI S MM. #2134711 Z ry Public - California 3 enta Clara County nm. Expires Dec. 3, 2019

DOCUMENT:

Assignment 1388.US.P1

WSGR Reference No.: 22773-881.201 Align Reference No.: 1383.US.P1

ASSIGNMENT OF NONPROVISIONAL PATENT APPLICATION

JOINT

WHEREAS, Pavel POKOTILOV of Moscow, Russia; Dmitry Yurievich CHEKH of Moscow, Russia; Dmitriy Konstantinovich TEN of Novosibirsk, Russia; Samuel BLANCO of Saratoga, California, United States; David Patrick LOPES of El Dorado Hills, California, United States; Jason RAMOS of Heredia, Costa Rica; Rene M. STERENTAL of Palo Alto, California, United States; and Evgenii Vladimirovich KARNYGIN of Moscow, Russia, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention:

GENERATING A VIRTUAL DEPICTION OF AN

ORTHODONTIC TREATMENT OF A PATIENT

Filing Date:

March 20, 2018

Application No.:

15/926,825

WHEREAS, Align Technology, Inc., a corporation of the state of Delaware, located at 2820 Orchard Parkway, San Jose, California 95134, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

<u> </u>	· ·
Dated:	Pavel POKOTILOV
Dated:	Dmitry Yurievich CHEKH
Dated:	Dmitriy Konstantinovich TEN
Dated:	Samuel BLANCO

Dated:	David Patrick LOPES
Dated: 4 / 10 / 2018	Jason RY
	Jason RAMOS
Dated:	Rene M. STERENTAL
Dated:	Evgenii Vladimirovich KARNYGIN

WSGR Reference No.: 22773-881.201 Align Reference No.: 1388.US.PI

ASSIGNMENT OF NONPROVISIONAL PATENT APPLICATION

JOINT

WHEREAS, Pavel POKOTILOV of Moscow, Russia; Dmitry Yurievich CHEKH of Moscow, Russia; Dmitriy Konstantinovich TEN of Novosibirsk, Russia; Samuel BLANCO of Saratoga, California, United States; David Patrick LOPES of El Dorado Hills, California, United States; Jason RAMOS of Heredia, Costa Rica; Rene M. STERENTAL of Palo Alto, California, United States; and Evgenii Vladimirovich KARNYGIN of Moscow, Russia, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention:

GENERATING A VIRTUAL DEPICTION OF AN ORTHODONTIC TREATMENT OF A PATIENT

Filing Date:

March 20, 2018

Application No.:

15/926,825

WHEREAS, Align Technology, Inc., a corporation of the state of Delaware, located at 2820 Orchard Parkway, San Jose, California 95134, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Dated:	
	Pavel POKOTILOV
Dated:	
	Dmitry Yurievich CHEKH
Dated:	
	Dmitriy Konstantinovich TEN
Dated:	
	Samuel BLANCO

Dated: David Patrick LOPES Dated: Jason RAMOS Dated: _ Rene M, STERENTAL Eygenii Vladimirovich KARNYGIN

Assignment Application No.: 15/926,825 Attorney Docket No.: 22773-881,201

Page 2

PATENT REEL: 046457 FRAME: 0205

RECORDED: 07/25/2018