505696598 09/27/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 **EPAS ID: PAT5743408**

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUXIANG WANG	09/23/2019
ROHIT TANUGULA	09/25/2019
REZA SHIRAZI AGHJARI	09/23/2019
LUYAO CAI	09/23/2019
KANGNING SU	09/23/2019
JUN SATO	09/25/2019

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:	16584788

CORRESPONDENCE DATA

Fax Number: (973)597-2400

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: 9735972500

Email: kjohnson@lowenstein.com

PATENT DOCKET ADMINISTRATOR **Correspondent Name:**

Address Line 1: LOWENSTEIN SANDLER LLP Address Line 2: ONE LOWENSTEIN DRIVE

Address Line 4: **ROSELAND, NEW JERSEY 07068**

ATTORNEY DOCKET NUMBER:	28510.165 L0096US02	
NAME OF SUBMITTER:	BENJAMIN A. KIMES (REG. NO. 50870)	
SIGNATURE:	/Benjamin A. Kimes/	
DATE SIGNED:	09/27/2019	

PATENT REEL: 050522 FRAME: 0601 505696598

Total Attachments: 6

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PATENT REEL: 050522 FRAME: 0602

A	ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.: 28510.165 (L0096US02)
	For good and valuable consideration, the receipt and	sufficiency of which is hereby
	acknowledged, I/we, the undersigned, Yuxiang Wang, Rohit	Tanugula, Reza Shirazi Aghjari, Chunhua
	Li, Jun Sato, Luyao Cai and Kangning Su	1
	hereby sell, assign, and transfer to Align Technology, Inc.	
	a <u>corporation</u> (Type of Assignee: e.g., corporation, company, partnership, university, et	of <u>Delaware</u> ,
	having a principal place of business at 2820 Orchard Park	way, San Jose, California 95134,
	("Assignee"), and its successors, assigns, and legal represe for the United States and all foreign countries, in and to any are disclosed in the application (provisional or non-provision have a declaration executed by the undersigned prior hereto	and all inventions or improvements that hal) for the United States patent which may
	ALIGNER DAMAGE PREDICTION AT WEAK	SPOTS WITH SIMULATION
	said patent application also identified as follows (when know	/n):
	[I/we hereby authorize an attorney or agent for said number and filing date of said patent application who	
	United States Patent Application Number 16/584,788 f	filed September 26, 2019
	and in and to said application (provisional or non-provisional provisional applications, utility applications, design applications applications, continued prosecution applications, continuation applications, renewal applications, reissue applications, reexpatent applications that have been or shall be filed in the Uniform of said inventions or improvements; and in and to all original certificates, and extensions, that have been or shall be issued countries on said inventions or improvements; and in and to of said United States application;	ons, divisional applications, continuation on-in-part applications, substitute xaminations, extensions, and all other lited States and all foreign countries on any I patents, reissued patents, reexamination ed in the United States and all foreign
	agree that said Assignee may apply for and receive a improvements in its own name; and that, when requested, we said Assignee, its successors, assigns, and legal represents and purpose of this Assignment, the undersigned will execut provisional applications, utility applications, design applications applications, continued prosecution applications, continuation applications, renewal applications, reissue applications, reexpatent applications on any and all said inventions or improve assignments, powers of attorney, and other papers; communassigns, and representatives all facts known to the undersigns.	without charge to, but at the expense of, atives, to carry out in good faith the intent te all provisional applications, nonons, divisional applications, continuation on-in-part applications, substitute examinations, extensions, and all other ements; execute all rightful oaths, nicate to said Assignee, its successors,

improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or

improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and

representatives in securing and maintaining proper patent protection for said inventions or

- 1 -

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legal representatives; and

PATENT

REEL: 050522 FRAME: 0603

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:			
<u>\$\frac{9}{23}\$, 2019</u>			
Date	Yuxiang Wang		
<u>** 2 〜</u> 2019 Date	The Langua		
, 2019 Date	Reza Shirazi Aghjari		
, 2019 Date	Chunhua Li		
, 2019 Date	Jun Sato		
<u> </u>	Luyao Cai		
<u>♀/ ⊋ ∛</u> 2019 Date	Kangning Su		
Accepted by Align Technology, Inc. (Assignee)			
Date	8y:		

Assignment Document Return Address: Patent Docket Administrator Lowenstein Sandler PC One Lowenstein Drive

Roseland, New Jersey 07068

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Invento	or: Please	Sign <u>and Date</u> Below:
ALUS.	, 2019	
. Date		Yuxiang Wang
	, 2019	
Date		Rohit Tanugula
		$\bigcirc 2i$
Sep 23 Date	2019	Nefo () Niv S) A Reza Shirazi Aghjari
	, 2019	
Date		Chunhua Li
	. 2019	
Date		Jun Sato
	7.000 7.000 7.000 (5.000)	
Date	, 2019	Luyao Cai
	, 2019	
Date		Kangning Su
Accepted by	Align Tec	hnology, Inc. (Assignee)
	2019	
. Date		By
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The state of	Title:
		Assignment Document Return Address:
		Patent Docket Administrator
		Lowenstein Sandler PC One Lowenstein Drive

Roseland, New Jersey 07068

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- 2

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor	: Please Si	gn <u>and Date</u> Below:
Date	2019	
Date		Yuxiang Wang
Date	2019	Past Francisco
Date		Rohit Tanugula
	00.40	
Date	ZUTB	Reza Shirazi Aghjari
		3
,	2019	
Date (Chunhua Li
Q1		0
<u> </u>	2019	Jensato Sazo
Date		valle data
	2019	
Date	2010	Luyao Cai
	2019	
Date		Kangning Su

Accepted by Align Technology, Inc. (Assignee)

<u>Syll. 26</u>, 2019 Date

By Tries

Arthur S. Hsieh, J.D., Ph.D. Align Technology, Inc. Vice President, Intellectual Property & Licenses

<u>Assignment Document Return Address:</u>

Patent Docket Administrator Lowenstein Sandler PC One Lowenstein Drive

Roseland, New Jersey 07068

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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.

1	ralidity of that document.		
	ate of California unty ofSanta Clara		
On	September 23, 2019	before me,	Linda R. Vajretti, Notary Public
			(insert name and title of the officer)
pe	rsonally appeared Yuxiang	WANG, Luya	CAI and Kangning SU
wh sul his	o proved to me on the basis o oscribed to the within instrume /her/their authorized capacity(f satisfactory e ent and acknow ies), and that b	vidence to be the person(s) whose name(s) is/are reledged to me that he/she/they executed the same in by his/her/their signature(s) on the instrument the person(s) acted, executed the instrument.
	ertify under PENALTY OF PEI ragraph is true and correct.	RJURY under t	he laws of the State of California that the foregoing

WITNESS my hand and official seal.

Signature ___

UNDA R. VAJRETTI COMM. #2134711 Z Notary Public - California Z Santa Clara County S My Comm. Expires Dec. 3, 2019 f

DOCUMENT: Assignment 1534.US.P2

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.

vanuity of that document.	
State of California County ofSanta Clara	
On September 25, 2019 before me, Linda R. Va	ajretti, Notary Public
personally appeared Rohit TANUGULA who proved to me on the basis of satisfactory evidence to be subscribed to the within instrument and acknowledged to me his/her/their authorized capacity(ies), and that by his/her/their person(s), or the entity upon behalf of which the person(s) ac	that he/she/they executed the same in r signature(s) on the instrument the
I certify under PENALTY OF PERJURY under the laws of the paragraph is true and correct.	e State of California that the foregoing
WITNESS my hand and official seal.	UNDA R. VAINETTI COMM. #2134711 = Notary Public - California

Signature

(Seal)

DOCUMENT: Assignment 1534.US.P2

> PATENT REEL: 050522 FRAME: 0608

Santa Clera County 9 My Comm. Expires Dec. 3, 2019 (

RECORDED: 09/27/2019