505694204 09/26/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5741014

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GILAD ELBAZ	05/16/2019
YOSSEF ATIYA	05/16/2019
AVI KOPELMAN	05/28/2019
OFER SAPHIER	05/16/2019
MAAYAN MOSHE	05/19/2019
SHAI AYAL	05/16/2019
MICHAEL SABINA	05/28/2019
ERIC KUO	05/16/2019
ASSAF WEISS	05/20/2019
DORON MALKA	05/16/2019
ELIAHOU FRANKLIN NIZARD	05/19/2019
IDO TISHEL	05/16/2019

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:	16410949

CORRESPONDENCE DATA

Fax Number: (650)212-7562

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.

using a lax number, ii provided, ii that is unsuccessiul, it will be sent via 05 mail.

Phone: 650-212-1700

Email: info@shayglenn.com, jennifer@shayglenn.com

Correspondent Name: SHAY GLENN LLP

Address Line 1: 2755 CAMPUS DRIVE, SUITE 210
Address Line 4: SAN MATEO, CALIFORNIA 94403

505694204 REEL: 050508 FRAME: 0227

PATENT

ATTORNEY DOCKET NUMBER:	14187-700.501
NAME OF SUBMITTER:	JENNIFER MARCELINO
SIGNATURE:	/Richard D. Shoop, Reg. No. 45,763/
DATE SIGNED:	09/26/2019
Total Attachments: 12	
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PATENT REEL: 050508 FRAME: 0228

U.S. DEPARTMENT OF COMMERCE

RECORDATION FORM COVER SHEET

PATENT AND TRADEMARK OFFICE

PATENTS ONLY

TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT A ORIGINAL DOCUMENTS OR COPY THEREOF.	AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED
Name of conveying party(ies):	2. Name and address of receiving party(ies):
 (1) Gilad ELBAZ (05/16/2019) (2) Yossef ATIYA (05/16/2019) (3) Avi KOPELMAN (05/28/2019) (4) Ofer SAPHIER (05/16/2019) (5) Maayan MOSHE (05/19/2019) (6) Shai AYAL (05/16/2019) 	Name: ALIGN TECHNOLOGY, INC. 2820 Orchard Parkway San Jose, CA 95134
Additional name(s) of conveying party(ies) attached? Yes No	
3. Nature of Conveyance:	Name and address of receiving party(ies):
Assignment Merger	Name:
Security Agreement Change of Name	Street Address:
Other	City: State: Zip:
	Country: Additional name(s) & address(es) attached? Yes No
Application number(s) or patent number(s):	
If this document is being filed together with a new application, th	e execution date of the application is:
A. Patent Application No.(s) – 16/410,949	B. Patent No.(s)
Title: METHODS AND APPARATUSES FOR FORMING A THREE-DIMENSIONAL VOLUMETRIC MODEL OF A SUBJECT'S TEETH	
Additional numb	pers attached? Yes No
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Richard D. Shoop Shay Glenn LLP 2755 Campus Drive, Suite 210	
San Mateo, CA 94403	7. Total fee (37 CFR 1.21(h)(1)): \$0.00 None required. Please charge fees to Deposit Account No. 50-4050.
DO NOT USE T	HIS SPACE
8. Statement and signature.	
•	on is true and correct and any attached copy is a true copy of the
Richard D. Shoop, Reg. No. 45,763 Name of Person Signing	Signature September 26, 2019 Date
Total number of pages including cover sheet, attachments, and document	Signature

PATENT

REEL: 050508 FRAME: 0229

		U.S. DEPARTMENT OF COMMERCE
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PAT	ENTS ONLY	
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TO THE HONORABLE DIRECTOR OF THE UNITED STATES P ORIGINAL DOCUMENTS OR COPY THEREOF.	ATENT AND TRADEMARK OF	FICE. PLEASE RECORD THE ATTACHED
1. Name of conveying party(ies):		
 (7) Michael SABINA (05/28/2019) (8) Eric KUO (05/16/2019) (9) Assaf WEISS (05/20/2019) (10) Doron MALKA (05/16/2019) (11) Eliahou Franklin NIZARD (05/19/2019) (12) Ido TISHEL (05/16/2019))	
Additio	nal numbers attached?	Yes No

PATENT

REEL: 050508 FRAME: 0230

ASSIGNMENT OF PATENT APPLICATION

SG Docket No.: 14187-700.501 / 1337.US.P2.X1

This Assignment of Patent Application is between:

Gilad ELBAZ of Tel Aviv, ISRAEL;

Erez LAMPERT of Rehovot, ISRAEL:

Yossef ATIYA of Maccabim, ISRAEL;

Avi KOPELMAN of Palo Alto, CA;

Ofer SAPHIER of Rehovot, ISRAEL:

Maayan MOSHE of Ra'anana, ISRAEL;

Shai AYAL of Shoham, ISRAEL;

Michael SABINA of Campbell, CA;

Eric KUO of San Jose, CA;

Assaf WEISS Yavne, ISRAEL;

Doron MALKA of Tel Aviv, ISRAEL;

Eliahou Franklin NIZARD of Jerusalem, ISRAEL; and

Ido TISHEL of Kfar Bilu, ISRAEL

(hereinafter referred to as "Inventor") and

ALIGN TECHNOLOGY, INC., a corporation of the State of Delaware, having a place of business at 2820 Orchard Parkway, San Jose, CA 95134 (hereinafter referred to as "Assignee").

WHEREAS Inventor has invented certain new and useful improvements in:

"METHODS AND APPARATUSES FOR FORMING A THREE-DIMENSIONAL VOLUMETRIC MODEL OF A SUBJECT'S TEETH"

for which an application for a United States Patent was filed on May 13, 2019 and assigned Application No. 16/410,949.

WHEREAS, Assignee is desirous of acquiring the entire right, title and interest of each inventor in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventor (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor to have been received in full from said Assignee:

1. Said Inventor does hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention: (b) in and to all rights to apply

Page 1 of 4

ASSIGNMENT OF PATENT APPLICATION

SG Docket No.: 14187-700.501 / 1337.US.P2.X1

for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

- Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of the said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any proceedings involving said invention and any applications therefor and any patents granted thereon, proceedings, priority contest, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignce, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, his heirs, legal representatives and assigns.
- Said Inventor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor has executed and delivered this instrument to said Assignee:

16-May - 2019 Date	Gilad ELBAZ	· · · · · · · · · · · · · · · · · · ·
Date	Erez LAMPERT	Pak
Date	Yossef ATIYA	

Page 2 of 4

ASSIGNMENT OF PATENT APPLICATION

SG Docket No.: 14187-700.501 / 1337.US.P2.X1

for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

- 2. Said Inventor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of the said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contest, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, his heirs, legal representatives and assigns.
- 4. Said Inventor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor has executed and delivered this instrument to said Assignee:

Date	Gilad ELBAZ
Date	Erez LAMPERT
5/16/2019 Date	Yossef ATIYA

Page 2 of 4

Avi Kopelman
Ofer SAPHIER
Maayan MOSHE
Shai AYAL
Michael SABINA
Eric KUO
Assaf WEISS
Doron MALKA
Eliahou Franklin NIZARD
Ido TISHEL

ASSIGNMENT OF PATENT APPLICATION	SG Docket No.: 14187-700.501 / 1337.US.P2.X1
Date	Avi KOPELMAN
16-may-2019 Date	Ofer SAPHIER
19 - May - 2019 Date	Maayan MOSHE
16 - May - 2019 Date	Shai AYAL
Date	Michael SABINA
Date	Eric KUO
Date	Assaf WEISS
16 May - 2019 Date	Derón MALKA
Date	Eliahou Franklin NIZARD
6-May 2019 Date	Ido TISHEL

ASSIGNMENT OF PATENT APPLICATION	SG Docket No.: 14187-700.501 / 1337.US.P2.X1
Date	Avi KOPELMAN
Date	Ofer SAPHIER
Date	Maayan MOSHE
Date	Shai AYAL
Date	Michael SABINA
Date 520-201 9 Date	Eric KUO Assaf WEISS
Date	Doron MALKA
Date	Eliahou Franklin NIZARD
Date	Ido TISHEL

ASSIGNMENT OF PATENT APPLICATION	SG Docket No.: 14187-700.501 / 1337.US.P2.X1
Date	Avi KOPELMAN
Date	Ofer SAPHIER
Date	Maayan MOSHE
Date	Shai AYAL
Date	Michael SABINA
Date	Eric KUO
Date	Assaf WEISS
Date	Doron MALKA
19 May 2019 Date)	Eliahou Franklin NIZARD
Date	Ido TISHEL

Accepted by Align Technology, I	nc. (Assignee)
(Ant Val	June 24, 2014
Signature	Date
Name:	Arthur S. Hsieh, J.D., Ph.D. Align Technology, Inc. Vice President, Intellectual Property & Licensing

ASSIGNMENT OF PATENT APPLICATION | SG Docket No.: 14187-700.501 / 1337.US.P2.X1

Page 4 of 4

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 May 16, 2019 before me,	Linda R. Vajretti, Notary Public		
	(insert name and title of the officer)		
personally appeared			
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.			
WITNESS my hand and official seal. Signature	LINDA R. VAJRETTI COMM. #2134711 Z Notary Public - California Santa Clara County My Comm. Expires Dec. 3, 2019 ((Seal)		

DOCUMENT NAME: Assignment 1337.US.P2.X1

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 May 28, 2019 before me, Linda R. Vajr	retti, Notary Public me and title of the officer)	
personally appeared Avi KOPELMAN and Michael SABINA, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.		
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.		
WITNESS my hand and official seal. Signature (Seal)	LINDA R. VAJRETTI COMM. #2134711 Notary Public - California Santa Clara County My Comm. Expires Dec. 3, 2019 P	

DOCUMENT NAME: Assignment 1337.US.P2.X1

> PATENT REEL: 050508 FRAME: 0240

RECORDED: 09/26/2019