

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7999254

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALIGN TECHNOLOGY RESEARCH AND DEVELOPMENT, INC.	05/09/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALIGN TECHNOLOGY, INC.
<b>Street Address:</b>	2820 ORCHARD PARKWAY
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95134
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	18325922
<b>CORRESPONDENCE DATA</b>	
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<b>Address Line 1:</b>	LOWENSTEIN SANDLER LLP
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<b>ATTORNEY DOCKET NUMBER:</b>	28510.600 L0040C4
<b>NAME OF SUBMITTER:</b>	BENJAMIN A. KIMES (REG. NO. 50870)
<b>SIGNATURE:</b>	/Benjamin A. Kimes/
<b>DATE SIGNED:</b>	06/09/2023
<b>Total Attachments: 4</b>	
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## ASSIGNMENT OF PATENT APPLICATIONS

WHEREAS, Align Technology Research & Development, Inc., a corporation of the state of Delaware, having a principal place of business at 2820 Orchard Parkway, San Jose, CA, 95134, previously located at 2560 Orchard Parkway, San Jose, California, 95131, (hereinafter "Assignor") owns a right, title and interest in and to the inventions disclosed in the Application(s), and in and to all embodiments of the inventions, heretofore conceived, made or discovered (collectively hereinafter referred to as "Inventions") disclosed in the applications filed with the United States Patent and Trademark Office and certain foreign patent offices, as listed in the attached Exhibit A.

The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, Align Technology, Inc., a corporation of the state of Delaware, having a principal place of business at 2820 Orchard Parkway, San Jose, California 95134, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s), and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise (hereinafter "Patent(s)").

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

1. Said Assignor does hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest held by said Assignor (a) in and to said inventions; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and (g) in and to all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatsoever nature recoverable from an infringement of the Patent(s).

2. Said Assignor 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, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by the Assignor 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 the parties (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications covering said Inventions; (c) for filling and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions.

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 the Assignor, its successors, assigns and other legal representatives.

4. Said Assignor hereby warrants, represents and covenants that said Assignor has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. Said Assignor hereby requests that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement

IN WITNESS WHEREOF, said Assignor has executed and delivered this instrument to said Assignee as of the date written below.

**Align Technology Research & Development, Inc.**

May 9, 2023  
Date

Julie Coletti  
By: Julie Coletti  
Title: EVP & Chief Legal & Regulatory Officer

**Accepted by Align Technology, Inc.**

May 11, 2023  
Date

Arthur Hsieh  
By: Arthur Hsieh  
Title: VP, Deputy General Counsel, IP & Licensing

Assignment Document Return Address:  
Patent Docket Administrator  
Lowenstein Sandler PC  
One Lowenstein Drive  
Roseland, New Jersey 07068

EXHIBIT A

Application No.	Filing Date	Patent No.	Title	Ref. No.
62/568,220	10/4/2017	n/a	AUGMENTED REALITY PLANNING AND VIEWING OF DENTAL TREATMENT OUTCOMES	1386.US.V2
15/841,212	12/13/2017	10,467,815	AUGMENTED REALITY PLANNING AND VIEWING OF DENTAL TREATMENT OUTCOMES	1386.US.P
16/583,058	9/25/2019	10,733,805	AUGMENTED REALITY PLANNING AND VIEWING OF DENTAL TREATMENT OUTCOMES	1386.US.C1
16/940,303	7/27/2020	10,997,792	KIOSK FOR VIEWING OF DENTAL TREATMENT OUTCOMES	1386.US.C1.C1
17/244,837	4/29/2021	n/a	MOBILE DEVICE FOR VIEWING OF DENTAL TREATMENT OUTCOMES	1386.US.C1.C1.C1
PCT/US17/66849	12/15/2017	n/a	AUGMENTED REALITY PLANNING AND VIEWING OF DENTAL TREATMENT OUTCOMES	1386.US.WO
62/460,707	2/17/2017	n/a	LONGITUDINAL ANALYSIS AND VISUALIZATION UNDER LIMITED ACCURACY SYSTEM	1402.US.V
62/492,047	4/28/17	n/a	LONGITUDINAL ANALYSIS AND VISUALIZATION UNDER LIMITED ACCURACY SYSTEM	1402.US.V2
15/858,940	12/29/2017	10,499,793	LONGITUDINAL ANALYSIS AND VISUALIZATION UNDER LIMITED ACCURACY SYSTEM	1402.US.P
16/583,091	9/25/2019	11,426,053	LONGITUDINAL ANALYSIS AND VISUALIZATION UNDER LIMITED ACCURACY SYSTEM	1402.US.C1
17/864,320	7/13/2022	n/a	ANALYSIS AND VISUALIZATION OF DENTAL ARCH OVER TIME	1402.US.C1.C1
PCT/US18/18444	2/15/2018	n/a	LONGITUDINAL ANALYSIS AND VISUALIZATION UNDER LIMITED ACCURACY SYSTEM	1402.US.WO
Australian Application 2018221818	2/15/2018	n/a	LONGITUDINAL ANALYSIS AND VISUALIZATION UNDER LIMITED ACCURACY SYSTEM	1402.US.WO.AU
Canadian Application 3052481	2/15/2018	n/a	LONGITUDINAL ANALYSIS AND VISUALIZATION UNDER LIMITED ACCURACY SYSTEM	1402.US.WO.CA
Chinese Application 201880012702.8	2/15/2018	n/a	LONGITUDINAL ANALYSIS AND VISUALIZATION UNDER LIMITED ACCURACY SYSTEM	1402.US.WO.CN
European Application 18708291.2	2/15/2018	n/a	LONGITUDINAL ANALYSIS AND VISUALIZATION UNDER LIMITED ACCURACY SYSTEM	1402.US.WO.EP
62/566,188	9/29/17	n/a	ALIGNER IMAGE BASED QUALITY CONTROL SYSTEM	1422.US.V
62/609,723	12/22/2017	n/a	ALIGNER IMAGE BASED QUALITY CONTROL SYSTEM	1422.US.V2
16/145,016	9/27/2018	10,783,629	ALIGNER IMAGE BASED QUALITY CONTROL SYSTEM	1422.US.P
PCT/US18/53564	9/28/2018	n/a	ALIGNER IMAGE BASED QUALITY CONTROL SYSTEM	1422.US.WO
16/435,322	6/7/2019	10,650,,517	ALIGNER IMAGE BASED QUALITY CONTROL SYSTEM	1422.US.C1
16/851,038	4/16/2020	11,138,727	ALIGNER IMAGE BASED QUALITY CONTROL SYSTEM	1422.US.C1.C1
16/937,512	7/23/2020	10,970,839	ALIGNER IMAGE BASED QUALITY CONTROL SYSTEM	1422.US.C1.C1.C1
17/220,807	4/1/2021	11,304,779	SYSTEMS AND METHODS FOR PROVIDING ORTHODONTIC ALIGNERS AND OTHER DENTAL APPLIANCES	1422.US.C1.C1.C2

17/493,682	10/4/2021	11,334,996	METHODS OF MANUFACTURING AND ASSESSING ORTHODONTIC ALIGNERS	1422.US.C1.C1.C3
17/699,013	3/18/2022	n/a	METHODS FOR MANUFACTURING AND INSPECTING ORTHODONTIC ALIGNERS	1422.US.C1.C1.C2.C1
17/699,015	3/18/22	n/a	METHODS OF MANUFACTURING AND INSPECTING CUSTOMIZED DENTAL APPLIANCES	1422.US.C1.C1.C3.C1
Chinese Application 2018800741240	9/28/2018	ZL201880074124.0	ALIGNER IMAGE BASED QUALITY CONTROL SYSTEM	1422.US.WO.CN
Chinese Application 2022102803235	9/28/2018	n/a	ALIGNER IMAGE BASED QUALITY CONTROL SYSTEM	1422.US.WO.CN.D1
European Application 18788980.3	9/28/2018	n/a	ALIGNER IMAGE BASED QUALITY CONTROL SYSTEM	1422.US.WO.EP
63/230,668	8/6/2021	n/a	INTUITIVE INTRAORAL SCANNING	1918.US.V
17/880,563	8/3/2022	n/a	INTUITIVE INTRAORAL SCANNING	1918.US.P
PCT/US22/39615	8/5/2022	n/a	INTUITIVEINTRAORAL SCANNING	1918.US.WO