Paper No. 11
Filed: August 8, 2025

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

CLEARCORRECT OPERATING LLC,
Petitioner,

v.

ALIGN TECHNOLOGY INC.,
Patent Owner.

Case IPR2025-00818
Patent No. 10,973,613

PETITIONER'S UPDATED EXHIBIT LIST

Pursuant to 37 C.F.R. § 42.63(e), Petitioner ClearCorrect Operating LLC hereby submits a current listing of Petitioner exhibits. Exhibits 1119-1134 and 1136-1137 are being filed today.

Exhibit	Description
1001	U.S. Patent No. 10,973,613 B2 (issued Apr. 13, 2021)
1002	U.S. Patent No. 9,655,691 B2 (issued May 23, 2017)
1003	U.S. Patent Application Publication No. 2005/0100853 A1 (published May 12, 2005)
1004	Intentionally Left Blank
1005	U.S. Patent Application Publication No. 2011/0020761 A1 (published Jan. 27, 2011)
1006	D.S. Porter and R.S. Beavers, *Dishwasher Safe*, PLASTICS TECHNOLOGY (Dec. 2007) [Appendix 1 to Declaration of Lauren Gluckman]
1007	Expert Declaration of Dr. Tim Osswald, Ph.D.
1008	International Patent Application Publication No. WO 2006/096558 A2 (published Sept. 14, 2006)
1009	Bayer Corporation, TEXIN® 990R *Thermoplastic Polyurethane* Product Information (Nov. 2002)
1010	Prosecution History of U.S. Patent Application No. 13/470,681 (now U.S. Patent No. 9,655,691 B2)
1011	Prosecution History of U.S. Patent Application No. 15/476,655 (now U.S. Patent No. 10,973,613 B2)
1012	Declaration of Lauren Gluckman

Exhibit	Description
1013	Appendix 2 to Declaration of Lauren Gluckman - Penn State University Libraries Public Catalog for EX1006, https://catalog.libraries.psu.edu/catalog/83884
1014	Align Technology Inc.'s Preliminary Infringement Contention Charts and Identification of Priority Dates, *Align Technology Inc. v. ClearCorrect Operating LLC*, Case No. 6:24-CV-00187-ADA-DTG (W.D. Tex. July 18, 2024)
1015	*Curriculum Vitae* of Dr. Tim Osswald, Ph.D.
1016	Intentionally Left Blank
1017	Intentionally Left Blank
1018	Prosecution History of U.S. Patent Application No. 17/902,445 (now U.S. Patent No. 11,648,091 B2)
1019	W.J. Schrenk & T. Alfrey, Jr., *Chapter 15: Coextruded Multilayer Polymer Films and Sheets*, *in* POLYMER BLENDS, Vol. 2 129 (1978)
1020	U.S. Patent No. 5,692,894 (issued Dec. 2, 1997).
1021	Joint Claim Construction Statement, *Align Technology, Inc. v. ClearCorrect Operating, LLC*, Case No. 6:24-cv-00187-ADA-DTG (W.D. Tex. Jan. 3, 2025) (ECF No. 142)
1022	ClearCorrect's Preliminary Invalidity Contentions, *Align Technology, Inc. v. ClearCorrect Operating LLC*, Case No. 6:24-CV-00187 (W.D. Tex. Sept. 26, 2024)
1023	Complaint for Damages and Injunctive Relief, *Align Technology, Inc. v. ClearCorrect Operating, LLC*, Case No. 6:24-cv-00187 (W.D. Tex. Apr. 11, 2024) (ECF No. 1)
1024	Prosecution History of U.S. Patent Application No. 12/814,725 (published as U.S. Patent Application Publication No. 2011/0020761 A1)

Exhibit	Description
1025	Appendix 3 to Declaration of Lauren Gluckman - Penn State University Libraries MARC Record, https://catalog.libraries.psu.edu/catalog/83884/marc_view
1026	Internet Archive, *Bayer Polymers Product Guide – Properties* (archived May 26, 2001), Bayer Corporation – Polymers Division, https://web.archive.org/web/20010526121639/http:/www.polymers-usa.bayer.com/orgs/bayer/unpro/ku/texin/990r.htm (last visited April 12, 2025) [Appendix 4 to Declaration of Lauren Gluckman]
1027	Appendix 5 to Declaration of Lauren Gluckman - Internet Archive, https://archive.org/
1028	Appendix 6 to Declaration of Lauren Gluckman - Wayback Machine, https://web.archive.org/
1029	Appendix 7 to Declaration of Lauren Gluckman - Bayer Polymers Division Search, https://web.archive.org/web/20250000000000*/bayer%20polymers%20division
1030	Appendix 8 to Declaration of Lauren Gluckman - Bayer Polymers Division Search, https://web.archive.org/web/20010615000000*/http://bayer.polysort.com/
1031	Appendix 9 to Declaration of Lauren Gluckman - Bayer Polymers Division Search, https://web.archive.org/web/20010331154037/http://bayer.polysort.com/
1032	Appendix 10 to Declaration of Lauren Gluckman - Bayer Polymers Division Search, https://web.archive.org/web/20010406054033/http://www.polymers-usa.bayer.com/
1033	Appendix 11 to Declaration of Lauren Gluckman - Bayer Polymers Division Search, https://web.archive.org/web/20010411060538fw_/http://www.polymers-usa.bayer.com/products.htmlhttps://web.archive.org/web/20010411060538fw_/http://www.polymers-usa.bayer.com/products.html

Exhibit	Description
1034	Appendix 12 to Declaration of Lauren Gluckman - Bayer Polymers Division Search, https://web.archive.org/web/20010413201339/http://www.polymers-usa.bayer.com/orgs/bayer/unpro/products_plastics.htm
1035	Appendix 13 to Declaration of Lauren Gluckman - Bayer Polymers Division Search, https://web.archive.org/web/20010418213115/http://www.polymers-usa.bayer.com/orgs/bayer/unpro/p_TEXIN.htm
1036	T. OSSWALD AND J. HERNANDEZ-ORTIZ, POLYMER PROCESSING MODELING AND SIMULATION (2006) ("Osswald (2006)")
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1038	T. OSSWALD, POLYMER PROCESSING FUNDAMENTALS (1998) ("Osswald (1998)")
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1044	Covestro, Lamination: Wide-Ranging Films Portfolio for Protective and Adhesive Functions, https://solutions.covestro.com/en/highlights/articles/theme/processing-technology/lamination (last accessed Feb. 24, 2025),
1045	R. JONES, MECHANICS OF COMPOSITE MATERIALS (1999)

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1048	L. Alfadil et al., *Assessment of Wear Characteristics, Longevity and Stiffness of Essix-Type Retainers*, 28 CLINICAL ORAL INVESTIGATIONS 184 (2024)
1049	R. Ponitz, *Invisible Retainers*, 59 AM. J. ORTHO 266 (1971)
1050	U.S. Patent No. 5,975,893 (issued Nov. 2, 1999) ("Chishti")
1051	U.S. Patent No. 6,077,075 (issued Jun. 20, 2000) ("Bedard")
1052	U.S. Patent Application Publication 2009/0246724 A1 (published Oct. 1, 2009) ("Chen")
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Exhibit	Description
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1074	K. Suzuki et al., *Content and Release of Bisphenol A from Polycarbonate Dental Products*, 19 DENTAL MATERIALS J 389 (2000)
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1076	S.Y. Chung et al., *Dental Composite Fillings and Bisphenol A Among Children: A Survey in South Korea*, 62 INT'L DENTAL J 65 (2012)
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1082	BPA Ban - Suffolk County, New York, Ch. 704, Art. II, of the Code 2009 (amended Mar. 24, 2009 by L.L. No. 7-2009)
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1084	BPA Ban - Chicago, Illinois, 7-28-637 BPA-Free Kids Ordinance (Added Coun. J. 5-13-09, p. 62794, § 2; Amend Coun. J. 11-16-11, p. 13798, Art. II, § 6)
1085	BPA Ban - Connecticut, Public Act No. 09-103 (June 3, 2009)
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1090	BPA Ban - New York, Bisphenol A-Free Children and Babies Act, S. 3296 (Mar. 13, 2009)
1091	BPA Ban - Massachusetts, 105 CMR 650.000 (2010)
1092	BPA Ban - Delaware, Section 1. Amend Chapter 25, Title 6, Delaware Code (2011)

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1094	*Safety of Phthalates and Bisphenol-A in Everyday Consumer Products: Hearing Before the Subcomm. On the Comm, Trade, and Consumer Protection of the H. Comm. on En. and Commerce*, 110 Cong. 2 (2008) (No. 110-125)
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1100	S. Rust and M. Kissinger, *Maker Acknowledges BPA Worries*, Milwaukee J. Sentinel, https://archive.jsonline.com/watchdog/watchdogreports/41186522.html (Mar. 12, 2009)
1101	Food and Drug Administration, Bisphenol A (BPA): Use in Food Contact Application, https://www.fda.gov/food/food-packaging-other-substances-come-contact-food-information-consumers/bisphenol-bpa-use-food-contact-application# (last updated Nov. 2014)

Exhibit	Description
1102	*3M Confirms No BPA in Its Dental Products*, https://www.drbicuspid.com/dental-specialties/smile-design/restorations/article/15360518/3m-confirms-no-bpa-in-its-dental-products (Sept. 13, 2010)
1103	3M Press Release (May 9, 2023)
1104	U.S. Patent No. 9,022,903 B2 (issued May 5, 2015)
1105	Internet Archive Wayback Machine, *Tritan Availability Between Nov. 4, 2016-Feb. 18, 2009*
1106	U.S. Patent Pub. No. 2012/0136089 A1 (published May 31, 2012)
1107	U.S. Patent No. 8,979,410 (issued Mar. 17, 2015)
1108	U.S. Patent Pub. No. 2012/0021151 A1 (published Jan. 26, 2012)
1109	U.S. Patent Pub. 2013/0085530 A1 (published Apr. 4, 2013)
1110	U.S. Patent No. 9,060,918 B1 (issued June 23, 2015)
1111	Ultradent Press Release, https://www.dentalproductsreport.com/view/ultradent-products-supports-fda-ban-baby-products-containing-bpa (Sept. 1, 2012)
1112	R. Goszkowski, *New BPA-Free Restorative Matches Competition's Strength*, https://www.drbicuspid.com/dental-specialties/smile-design/restorations/article/15364587/new-bpa-free-restorative-matches-competitions-strength (Apr. 3, 2012)
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1114	T. Deligio, *Eastman Opens Expanded Tritan Plant, Copolyester's Rapid Rise Continues*, https://www.plasticstoday.com/plastics-processing/eastman-opens-expanded-tritan-plant-copolyester-s-rapid-rise-continues (May 14, 2010)
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1116	Eastman Press Release (Jan. 31, 2014)
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1118	Internet Archive, *Eastman Product Data Sheets Tritan Copolyester MX710, EX401, MX711, TX1000, TX1001, TX1500HF, TX1501HF, TX2000, TX2001* (archived Aug. 17, 2009, Nov. 21, 2008, Nov. 19, 2008, Nov. 22, 2008, Nov. 23, 2008) (last visited Apr. 12, 2025)
1119	Federal Court Management Statistics-Profiles, United States District Courts – National Judicial Caseload Profile (Mar. 31, 2025) (available at https://www.uscourts.gov/sites/default/files/document/fcms_na_distprofile0331.2025.pdf)
1120	LegalMetric Time to Trial Report, Texas Western District Court, Patent Cases, January 2010 to August 2025
1121	WDTX Calendar Year 2024 Statistical Public Report (available at https://www.txwd.uscourts.gov/wp-content/uploads/District%20Statistics/2024/Calendar%20Year%202024%20Statistical%20Public%20Report.pdf?_wpnonce=70b2778e25)
1122	Jan. 31, 2025, WDTX Amended Order Assigning Business of the Court
1123	May 30, 2024, WDTX Order Assigning the Business of the Court as it relates to Patent Cases

Exhibit	Description
1124	Lex Machina, Cases Reassigned to Judge Albright (July 23, 2025)
1125	Lex Machina, Patent Cases Reassigned to Judge Albright (July 23, 2025)
1126	Fourth Scheduling Order, *Align Tech., Inc. v. ClearCorrect Operating, LLC*, No. 6:24-cv-00187-ADA-DTG (W.D. Tex. June 12, 2025) (ECF No. 188)
1127	Redacted Copy of Patent Owner's Motion to Stay June 17, 2025, Discovery Order Regarding Align's Production of Customer Contracts, *Align Tech., Inc. v. ClearCorrect Operating, LLC*, No. 6:24-cv-00187-ADA-DTG (W.D. Tex. July 8, 2025) (ECF No. 198)
1128	Order, *Align Tech., Inc. v. ClearCorrect Operating, LLC*, No. 6:24-cv-00187-ADA-DTG (W.D. Tex. July 8, 2025) (ECF No. 196)
1129	Defendants ClearCorrect Operating, LLC and ClearCorrect Holdings, Inc.'s Answer and Affirmative Defenses and Counterclaim-Plaintiffs' Counterclaims to Align Technology, Inc.'s Complaint for Damages and Injunctive Relief, *Align Technology, Inc. v. ClearCorrect Operating, LLC*, Case No. 6:24-cv-00187 (W.D. Tex. Apr. 11, 2024) (ECF No. 56)
1130	Claim Construction Order, *Align Tech., Inc. v. ClearCorrect Operating, LLC*, No. 6:24-cv-00187-ADA-DTG (W.D. Tex. June 5, 2025) (ECF No. 185)
1131	Joint Claim Construction Statement, *Align Tech., Inc. v. ClearCorrect Operating, LLC*, No. 6:24-cv-00187-ADA-DTG (W.D. Tex. Jan. 3, 2025) (ECF No. 142)
1132	Stipulated Joint Motion to Amend the Case Schedule, *Align Tech., Inc. v. ClearCorrect Operating, LLC*, No. 6:24-cv-00187-ADA-DTG (W.D. Tex. Mar. 18, 2025) (ECF No. 164)

Exhibit	Description
1133	Third Scheduling Order, *Align Tech., Inc. v. ClearCorrect Operating, LLC*, No. 6:24-cv-00187-ADA-DTG (W.D. Tex. Mar. 20, 2025) (ECF No. 165)
1134	Joint Motion to Amend the Case Schedule, *Align Tech., Inc. v. ClearCorrect Operating, LLC*, No. 6:24-cv-00187-ADA-DTG (W.D. Tex. Jun. 6, 2025) (ECF No. 187)
1135	Intentionally Left Blank
1136	USPTO Rescinds Memorandum Addressing Discretionary Denial Procedures (Feb. 28, 2025)
1137	Prosecution History of U.S. Patent Application No. 17/858,825 (now U.S. Patent No. 11,648,090 B2)

Respectfully submitted,

Dated: August 8, 2025

By: /Charles T. Collins-Chase/
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CERTIFICATE OF SERVICE

The undersigned certifies that a copy of the foregoing **Petitioner's Updated Exhibit List** and **Exhibits 1119-1134 and 1136-1137** were served on August 8, 2025, via email directed to counsel of record for the Patent Owner at the following:

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