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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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ALIGN TECHNOLOGY, INC.,  
Petitioner

v.

3SHAPE A/S,  
Patent Owner

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Case IPR2022-00145  
Patent RE48,221

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**PETITIONER'S UNOPPOSED MOTION TO DISMISS PETITION FOR  
*INTER PARTES* REVIEW**

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**PETITIONER'S UPDATED EXHIBIT LIST**

<b>Exhibit No.</b>	<b>Description</b>
<b>1001</b>	U.S. Patent No. RE48,221 to Öjelund <i>et al.</i> (“RE’221”)
<b>1002</b>	File History of U.S. Patent No. RE48,221 (“Prosecution History”)
<b>1003</b>	Declaration of Dr. Chandrajit Bajaj (“Bajaj Decl.”) in support of Petition for <i>Inter Partes</i> Review of U.S. Patent No. RE48,221
<b>1004</b>	<i>Curriculum Vitae</i> of Dr. Chandrajit Bajaj
<b>1005</b>	U.S. Patent Publication No. 2009/0298017 to Boerjes <i>et al.</i>
<b>1006</b>	U.S. Patent Publication No. 2005/0212756 to Marvit <i>et al.</i>
<b>1007</b>	U.S. Patent Publication No. 2009/0087050 to Gandyra
<b>1008</b>	U.S. Patent Publication No. 2005/0020910 to Quadling <i>et al.</i>
<b>1009</b>	Öjelund Provisional, U.S. Provisional Application No. 61/420,138 (filed December 6, 2010)
<b>1010</b>	Giammanco <i>et al.</i> , “Using 3D Laser Scanning Technology to Create Digital Models of Hailstones,” American Meteorological Society, July 2017.
<b>1011</b>	Ireland <i>et al.</i> , “3D surface imaging in dentistry – what we are looking at,” British Dental Journal, Vol. 205, No. 7, October 11, 2008.
<b>1012</b>	U.S. Patent No. 6,485,413 to Boppart <i>et al.</i>
<b>1013</b>	Orhan H. Karatas and Ebubekir Toy, “Three-dimensional imaging techniques: A literature review,” European Journal of Dentistry, Vol. 8, No. 1, March 2014.
<b>1014</b>	B. H. Broadbent, “A New X-Ray Technique and Its Application to Orthodontia,” The Angle Orthodontist, Vol. I, No. 2, February 4, 1931.
<b>1015</b>	Nathan S. Birnbaum and Heidi B. Aaronson, “Dental impressions using 3D digital scanners: virtual becomes reality,” Compend. Contin. Educ. Dent., Vol. 29, No. 8, October 2008; pp. 494, 496, 498-505
<b>1016</b>	U.S. Patent No. 5,131,844 to Marinaccio <i>et al.</i>
<b>1017</b>	U.S. Patent No. 6,592,371 to Durbin <i>et al.</i>

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Exhibit No.	Description
1018	Hajeer et al., “Current Products and Practices Applications of 3D imaging in orthodontics: Part II,” <i>Journal of Orthodontics</i> , Vol. 31, No. 2, June 2004; pp. 154-162
1019	U.S. Patent No. 5,722,412 to Pflugrath <i>et al.</i>
1020	U.S. Patent No. 6,645,148 to Nguygen-Dinh <i>et al.</i>
1021	U.S. Patent No. 5,181,181 to Glynn
1022	U.S. Patent Publication No. 2006/0092133 to Touma <i>et al.</i>
1023	Bornik et al., “A Hybrid User Interface for Manipulation of Volumetric Medical Data,” 3DUI '06: IEEE Symposium on 3D User Interfaces, March 2006; pp. 29-36
1024	U.S. Patent No. 6,227,850 to Chishti <i>et al.</i>
1025	U.S. Patent Publication No. 2010/0009308 to Wen <i>et al.</i>
1026	U.S. Patent Publication No. 2013/0110469 to Kopelman
1027	U.S. Patent Publication No. 2012/0062557 to Dillon <i>et al.</i>
1028	U.S. Patent Publication No. 2007/0031774 to Cinader, Jr. <i>et al.</i>
1029	U.S. Patent No. 9,329,675 to Öjelund <i>et al.</i>
1030	<i>Inter Partes</i> Review Certificate, U.S. Patent No. 9,329,675 K1 to Öjelund <i>et al.</i>
1031	Final Written Decision for <i>Inter Partes</i> Review of U.S. Patent No. 9,329,675 in IPR2018-00197, May 29, 2019.
1032	U.S. Patent No. 4,342,227 to Petersen <i>et al.</i>
1033	U.S. Patent No. 5,563,343 to Shaw <i>et al.</i>
1034	Steele et al., “Bodies in motion: Monitoring daily activity and exercise with motion sensors in people with chronic pulmonary disease,” <i>J. Rehabil. Res. Dev.</i> , Vol. 40, No. 5, Suppl. 2, October 2003.
1035	Hale et al., “Measuring free-living physical activity in adults with and without neurologic dysfunction with a triaxial accelerometer,” <i>Arch. Phys. Med. Rehabil.</i> , Vol. 89, No. 9, September 2008.

Exhibit No.	Description
1036	Greg Welch and Eric Foxlin, "Motion Tracking: No Silver Bullet, but a Respectable Arsenal," IEEE Computer Graphics and Applications, Vol. 22, No. 6, December 10, 2002.
1037	Steven Nasiri, "A Critical Review of MEMS Gyroscopes Technology and Commercialization Status," InvenSense, 2005.
1038	Hannes Kaufmann, "Applications of Mixed Reality," Thesis, Vienna University of Technology, May 27, 2009.
1039	Welch et al., "High-Performance Wide-Area Optical Tracking: The HiBall Tracking System," Presence: Teleoperators and Virtual Environments, Vol. 10, No. 1, February 2001.
1040	Nintendo, "Introducing Wii MotionPlus, Nintendo's upcoming accessory for the revolutionary Wii Remote," The Wayback Machine, July 14, 2008.
1041	Daniel Turner, "Hack: The Nintendo Wii," MIT Technology Review, July 1, 2007.
1042	U.S. Patent Publication No. 2008/0070684 to Haigh-Hutchinson
1043	Brad A. Myers, <i>CRC Handbook of Computer Science and Engineering</i> , 2d. Ed., Allen B. Tucker, January 27, 2003, "Graphical User Interface Programming"
1044	Foley et al., <i>Introduction to Computer Graphics</i> , Addison-Wesley, 1994, "Chapter 2.2: Basic Interaction Handling", "Chapter 6: Viewing in 3D", and "Chapter 8: Input Devices, Interaction Techniques, and Interaction Tasks"
1045	Donald Hearn and M. Pauline Baker, <i>Computer Graphics</i> , 2d. Ed., Prentice Hall, 1994, "Chapter 2: Overview of Graphics Systems", "Chapter 8: Graphical User Interfaces and Interactive Input Methods", and "Chapter 9: Three-Dimensional Concepts"
1046	File History of U.S. Patent No. 9,329,675 ("675 Prosecution History")
1047	<i>3Shape A/S v. Align Technology, Inc.</i> , IPR2021-01383, Petition for <i>Inter Partes</i> Review of U.S. Patent No. 10,728,519, August 20, 2021.

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<b>Exhibit No.</b>	<b>Description</b>
<b>1048</b>	Plaintiff and Counterclaim Defendant Align Technology, Inc.'s Stipulation Regarding IPR2022-00144 and IPR2022-00145, Case No. 6:20-cv-00979 (W.D. Tex.), December 16, 2021.
<b>1049</b>	Confidential Settlement Agreement

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