

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Avation Medical, Inc.,

Petitioner

v.

EMKinetics, Inc.,

Patent Owner

Case No. IPR2024-01375
U.S. Patent No. 11,224,742

PETITIONER'S UPDATED EXHIBIT LIST

In accordance with 37 C.F.R. § 42.63(e), Petitioner hereby submits a current listing of exhibits.

Exhibit No.	Description
1001	U.S. Patent No. 11,224,742 (“742 patent”)
1002	File History of U.S. Patent No. 11,224,742 (“742 patent file history”)
1003	Declaration of Dr. Brett Wingeier in Support of Petition for Inter Partes Review of U.S. Patent No. 11,224,742 (“Wingeier Decl.”)
1004	J. Svihra <i>et al.</i> , “Neuromodulative treatment of overactive bladder – noninvasive tibial nerve stimulation,” <i>Bratisl Lek Listy</i> 103(12):480-483 (2002) (“Svihra”)
1005	G. Amarenco <i>et al.</i> , “Urodynamic Effect of Acute Transcutaneous Posterior Tibial Nerve Stimulation in Overactive Bladder,” <i>J. Urology</i> 169: 2210-2215 (2003) (“Amarenco”)
1006	<i>[Reserved]</i> ¹
1007	<i>[Reserved]</i>
1008	G. Willy Davila & Minda Neimark, “The Overactive Bladder: Prevalence and Effects on Quality of Life,” <i>Clinical Obstetrics and Gynecology</i> 45(1):173-181 (2002) (“Davila”)
1009	Alan J. Wein & Eric S. Rovner, “Definition and Epidemiology of Overactive Bladder,” <i>Urology</i> 60(Suppl 5A):7-12 (2002) (“Wein”)
1010	Paul Abrams <i>et al.</i> , “Overactive Bladder Significantly Affects Quality of Life,” <i>The American Journal of Managed Care</i> 6(11, Sup.):580-590 (2000) (“Abrams”)

¹ Petitioner has reserved certain exhibit numbers in this proceeding in order to, to the extent possible, maintain consistency with the exhibits and exhibit numbering in related proceedings PGR2024-00043 and IPR2024-01378.

Exhibit No.	Description
1011	Neeral Kohli & Peter L. Rosenblatt, “Neuromodulation Techniques for the Treatment of the Overactive Bladder,” <i>Clinical Obstetrics and Gynecology</i> 45(1):218-232 (2002) (“Kohli”)
1012	Floor van der Pal <i>et al.</i> , “Current opinion on the working mechanisms of neuromodulation in the treatment of lower urinary tract dysfunction,” <i>Current Opinion in Urology</i> 16(4):261-267 (2006) (“van der Pal”)
1013	Francisco Velasco, “Neuromodulation: An Overview,” <i>Archives of Medical Research</i> 31(3):232-236 (2000) (“Velasco”)
1014	J. Groen & J.L.H.R. Bosch, “Neuromodulation techniques in the treatment of the overactive bladder,” 87(8):723-731 (2001) (“Groen”)
1015	Marshall L. Stoller, “Afferent Nerve Stimulation for Pelvic Floor Dysfunction,” <i>Scientific Non Discussion Poster Session</i> 16(257):256 (1999) (“Stoller”)
1016	M. Queralto <i>et al.</i> , “Preliminary results of peripheral transcutaneous neuromodulation in the treatment of idiopathic fecal incontinence,” <i>International Journal of Colorectal Disease</i> 21(2006):670-672 (2006) (“Queralto”)
1017	F. Monti <i>et al.</i> , “Peripheral neuromodulation using surface electrode for treatment of overactive bladder (oab): initial experience,” <i>Clinical Neurophysiology</i> 117(2006):243 (2006) (“Monti”)
1018	[Reserved]
1019	[Reserved]
1020	[Reserved]
1021	[Reserved]
1022	[Reserved]
1023	[Reserved]
1024	L. Zhang & D.P. Rabussay, “Clinical evaluation of safety and human tolerance of electrical sensation induced by electric fields

Exhibit No.	Description
	with non-invasive electrodes”,” <i>Bioelectrochemistry</i> 56(1-2):233-236 (2002) (“Zhang”)
1025	U.S. Patent No. 6,341,236 to Osorio <i>et al.</i> (“‘236 patent”)
1026	U.S. Patent App. Pub. No. 2007/0021803 to Deem <i>et al.</i> (“US2007/0021803”)
1027	Katherine N. Moore, “Treatment of Urinary Incontinence in Men with Electrical Stimulation: Is Practice Evidence-Based?,” <i>Journal of Wound, Ostomy and Continence Nursing</i> 27(1):20-31 (2000) (“Moore”)
1028	Hermie J. Hermens <i>et al.</i> , “Development of recommendations for SEMG sensors and sensor placement procedures,” <i>Journal of Electromyography and Kinesiology</i> 10(5):361-374 (2000) (“Hermens”)
1029	U.S. Patent No. 8,206,312 to Farquhar (“‘312 patent”)
1030	S. Tahseen Hasan <i>et al.</i> , “Transcutaneous Electrical Nerve Stimulation and Temporary S3 Neuromodulation in Idiopathic Detrusor Instability,” <i>The Journal of Urology</i> 155(6):2005-2011 (1996) (“Hasan”)
1031	U.S. Patent App. Pub. No. 2005/0075670 to Bengtsson (“‘670 publication”)
1032	U.S. Patent App. Pub. No. 2007/0276449 to Gunter <i>et al.</i> (“‘449 publication”)
1033	U.S. Patent No. 7,801,603 to Westlund <i>et al.</i> (“‘603 patent”)
1034	U.S. Patent No. 8,712,546 to Kim <i>et al.</i> (“‘546 patent”)
1035	Micael A. Crary <i>et al.</i> , “Biomechanical Correlates of Surface Electromyography Signals Obtained During Swallowing by Healthy Adults,” <i>Journal of Speech, Language, and Hearing Research</i> 49(1):186-193 (2006) (“Crary”)
1036	U.S. Patent No. 7,206,630 to Tarler (“‘630 patent”)
1037	Stephen A. Koff & Evan J. Kass, “Abdominal Wall Electromyography: A Noninvasive Technique To Improve

Exhibit No.	Description
	Pediatric Urodynamic Accuracy,” <i>The Journal of Urology</i> 127(4):736-739 (1982) (“Koff”)
1038	Michael R. van Balken <i>et al.</i> , “Posterior Tibial Nerve Stimulation as Neuromodulative Treatment of Lower Urinary Tract Dysfunction,” <i>The Journal of Urology</i> 166(3):914-918 (2001) (“van Balken 2001”)
1039	J.L.H. Ruud Bosch, “Electrical neuromodulatory therapy in female voiding dysfunction,” <i>BJU International</i> 98(s1):43-48 (2006) (“Bosch”)
1040	[Reserved]
1041	Edward J. McGuire <i>et al.</i> , “Treatment of Motor and Sensory Detrusor Instability by Electrical Stimulation,” <i>The Journal of Urology</i> 129(1):78-79 (1983) (“McGuire”)
1042	A.L. Hof, “EMG and Muscle Force: An Introduction,” <i>Human Movement Science</i> 3(1-2):119-153 (1984) (“Hof”)
1043	A Martens De Noordhout <i>et al.</i> , “Percutaneous electrical stimulation of lumbosacral roots in man,” <i>Journal of Neurology, Neurosurgery, and Psychiatry</i> 51(2):174-181 (1988) (“Noordhout”)
1044	[Reserved]
1045	[Reserved]
1046	[Reserved]
1047	[Reserved]
1048	U.S. Patent App. No. 11/866,329 to Burnett <i>et al.</i> (“‘329 application”)
1049	[Reserved]
1050	[Reserved]
1051	<i>Avation Medical, Inc. v. EMKinetics, Inc.</i> No. 3:24-cv-01702 (N.D. Cal.) First Amended Complaint, Dkt. No. 5
1052	[Reserved]
1053	Declaration of Todd R. Tucker

Exhibit No.	Description
1054	<i>[Reserved]</i>
1055	<i>[Reserved]</i>
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1076	<i>[Reserved]</i>
1077	<i>[Reserved]</i>
1078	<i>[Reserved]</i>
1079	<i>[Reserved]</i>

Exhibit No.	Description
1080	U.S. Patent Pub. App. Pub. No. 2006/0122660 to Boveja <i>et al.</i> filed Dec. 28, 2005, published Jun. 8, 2006 (“Boveja”)
1081	U.S. Patent No. 6,272,383 to Grey <i>et al.</i> (“Grey”)
1082	U.S. Patent No. 5,984,854 to Ishikawa <i>et al.</i> (“Ishikawa”)
1083	U.S. Patent No. 6,735,474 to Loeb <i>et al.</i> (“Loeb”)
1084	U.S. Patent No. 6,941,171 to Mann <i>et al.</i> (“Mann”)
1085	S N Ponsford, “Sensory conduction in medial and lateral plantar nerves,” <i>Journal of Neurology, Neurosurgery, and Psychiatry</i> 51(2):188-191 (1988) (“Ponsford”)
1086	U.S. Patent No. 5,995,873 to Rhodes (“Rhodes”)
1087	U.S. Patent No. 11,844,943 to Rajguru <i>et al.</i> (“‘943 patent”)
1088	<i>Gray’s Anatomy</i> 1123-53 (Peter L. Williams et al. eds., 37th ed. 1989) (“Gray’s”)
1089	[Reserved]
1090	[Reserved]
1091	H. Sherif <i>et al.</i> , “Posterior tibial nerve stimulation as treatment for the overactive bladder,” <i>Arab J Urol</i> 11(2):151-35 (2013) (“Sherif”)
1092	M. Slovak <i>et al.</i> , “Non-invasive transcutaneous electrical stimulation in the treatment of overactive bladder,” <i>Asian J Urology</i> 2: 92-101 (2015) (“Slovak”)
1093	M. Garcia <i>et al.</i> , “Electrostimulation of the posterior tibial nerve in individuals with overactive bladder: a literature review,” <i>J. Phys. Ther. Sci.</i> 30:1333-40 (2018) (“Garcia”)
1094	G. Amarenco <i>et al.</i> , “Urodynamic Effect of Acute Transcutaneous Posterior Tibial Nerve Stimulation in Overactive Bladder,” <i>J. Urology</i> 169: 2210-2215 (2003) (“Amarenco II”)
1095	Z. Guo <i>et al.</i> , “Transcutaneous electrical nerve stimulation in the treatment of patients with poststroke urinary incontinence,” <i>Clinical Interventions in Aging</i> 9:851-56 (2014) (“Guo”)

Exhibit No.	Description
1096	Declaration of Todd R. Tucker in Support of Petitioner's Reply to Patent Owner's Response
1097	<i>[Reserved]</i>
1098	<i>[Reserved]</i>
1099	H. Krämer <i>et al.</i> , "Follow-up of advanced diabetic neuropathy Useful variables and possible pitfalls," <i>J Neurol</i> 252:315-20 (2005) ("Krämer")
1100	K. Galloway <i>et al.</i> , "Clinical utility of tibial motor and sensory nerve conduction studies with motor recording from the flexor hallucis brevis: a methodological and reliability study," <i>Journal of Foot and Ankle Research</i> 4:14 (2011) ("Galloway")
1101	Petitioner Avation Medical, Inc.'s Demonstrative Exhibits

Dated: January 5, 2026

Respectfully submitted,

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CERTIFICATE OF SERVICE

The undersigned certifies that the foregoing **PETITIONER’S UPDATED EXHIBIT LIST** and **PETITIONER AVATION MEDICAL, INC.’S DEMONSTRATIVE EXHIBITS (Ex.1101)** were served by email to Patent Owner by serving the email correspondence addresses of record as follows:

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