UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ITM ISOTOPE TECHNOLOGIES MUNICH SE,

Petitioner

v.

THE JOHNS HOPKINS UNIVERSITY,

Patent Owner

Case PGR2025-00065

U.S. Patent No. 12,115,233 B2

PETITIONER'S FIRST UPDATED EXHIBIT LIST

Pursuant to 37 C.F.R. § 42.63(e), Petitioner ITM Isotope Technologies Munich SE hereby submits a current listing of Petitioner Exhibits. Exhibits 1031 and 1032 are being filed today.

Exhibit No.	Description
1001	U.S. Patent No. 12,115,233 to Yang et al., issued October 15, 2024, with December 31, 2024, Certificate of Correction ("'233 patent")
1002	Declaration of Dr. Stephen F. Martin
1003	Curriculum Vitae of Dr. Stephen F. Martin
1004	Prosecution History for U.S. Patent No. 12,115,233 (downloaded from USPTO Patent Center)
1005	U.S. Patent Publication No. 2011/0064657 to Pomper et al., published March 17, 2011 ("US '657")
1006	U.S. Patent Publication No. 2012/0009121 to Pomper et al., published Jan. 12, 2012 ("Pomper")
1007	U.S. Patent No. 9,346,814 to Jansen et al., issued May 24, 2016 ("Jansen I")

1008	Petra Dvořáková at al., *Inhibitor-Decorated Polymer Conjugates Targeting Fibroblast Activation Protein*, 60 JOURNAL OF MEDICINAL CHEMISTRY 8385-8394 (2017), available at https://pubs.acs.org/doi/10.1021/acs.jmedchem.7b00767 (last accessed July 1, 2025) ("Dvořáková")
1009	U.S. Patent Publication No. 2010/0098633 to Zimmerman et al., published April 22, 2010 ("Zimmerman")
1010	Keon Jansen et al., *Selective Inhibitors of Fibroblast Activation Protein (FAP) with a (4-Quinolinoyl)-glycyl-2-cyanopyrrolidine Scaffold*, 2013(4) ACS MEDICINAL CHEMISTRY, 491-96 (2013) ("Jansen II")
1011	*Product Information: ATTO 488*., ATTO-TEC GMBH (2024) available at https://www.atto-tec.com/fileadmin/user_upload/Katalog_Flyer_Support/ATTO_488.pdf (last accessed July 1, 2025)
1012	*IVISense™ 680 NHS Fluorescent Labeling Kit: NEV11118*, REVVITY, INC., available at https://www.revvity.com/asset-search/tds?part_number=NEV11118 (last accessed July 1, 2025)
1013	*Alexa Fluor™ 790 NHS Ester (Succinimidyl Ester)*, THERMOFISHER SCIENTIFIC, available at https://www.fishersci.com/shop/products/alexa-fluor-790-nhs-ester-succinimidyl-ester/A37569# (last accessed July 1, 2025).
1014	IRDYE 700 DX, U.S. DEPARTMENT OF HEALTH & HUMAN SERVICES, available at https://drugs.ncats.io/drug/C51A2YUX4N (last accessed July 1, 2025)

1015	Ronnie C. Mease et al., *N-[N-[(S)-1,3-dicarboxypropyl]carbamoyl]-4-[18F]fluorobenzyl-L-cysteine, [18F]DCFBC: A New Imaging Probe for Prostate Cancer*, 14 CLIN CANCER RES 3036-43 (2008)
1016	Suzanne E. Lapi et al., *Assessment of an 18F-Labeled Phosphoramidate Peptidomimetic as a New Prostate-Specific Membrane Antigen–Targeted Imaging Agent for Prostate*, 50 J NUCL MED 2042-48 (2009)
1017	Ronny Rüger et al., *In Vivo Near-Infrared Fluorescence Imaging Of FAP-Expressing Tumors With Activatable FAP-Targeted, Single-Chain Fv-Immunoliposomes*, 186 JOURNAL OF CONTROLLED RELEASE 1-10 (2014)
1018	Zhi-Yi Chen et al., *Advance of Molecular Imaging Technology and Targeted Imaging Agent in Imaging and Therapy*, BIOMED RESEARCH INT'L 819324 (2014)
1019	A. Feinstein et al., *Conformation of the Free and Antigen-bound IgM Antibody Molecules*, 224 NATURE 1307-09 (1969)
1020	Mark Jordi, *Typical Molecular Weights of Common Polymers*, RQM+ (April 18, 2018), available at https://www.rqmplus.com/blog/typical-polymer-molecular-weights (last accessed July 1, 2025)
1021	Anne Hellebust et al., *Advances in molecular imaging: Targeted Optical Contrast Agents For Cancer Diagnostics*, 7 NANOMEDICINE 429-45 (2012)
1022	Sumith A. Kularatne et al., *Prostate-Specific Membrane Antigen Targeted Imaging and Therapy of Prostate Cancer Using a PSMA Inhibitor as a Homing Ligand*, 6 MOLECULAR PHARMACEUTICS 780-89 (2009)

1023	Yonghwang Ha, *Recent Conjugation Strategies of Small Organic Fluorophores and Ligands for Cancer-Specific Bioimaging*, 248 CHEMICO-BIOLOGICAL INTERACTIONS 36-51 (2016)
1024	Sari Pihlasalo et al., *Method for Determination of Polyethylene Glycol Molecular Weight*, 87 ANALYTICAL CHEMISTRY 3918-22 (2015)
1025	Stephen Martin, Seminar Presentation at Cedars-Sinai, Los Angeles, CA: *Applications of Chemistry to Unmet Medical Needs in Neuroscience* (May 11, 2017)
1026	Stephen Martin, NIH Small Business Technology Transfer Proposal (2017)
1027	U.S. Patent No. 11,938,201 to Yang et al., issued March 26, 2024, with September 24, 2024, Certificate of Correction ("'201 patent")
1028	Paul J. Trim et al., *Small Molecule MALDI MS Imaging: Current Technologies and Future Challenges*, 104 METHODS 127, 129 (2016)
1029	Isotta Chimenti et al., *Biochemistry and Biology: Heart-to-heart to Investigate Cardiac Progenitor Cells*, 1830 BIOCHIMICA ET BIOPHYSICA ACTA 2459, 2465 (2013)
1030	Erica J. Carbone et al., *Small Molecule Delivery Through Nonfibrous Scaffolds for Musculoskeletal Regenerative Engineering*, 19 NANOMEDICINE 1691 (Nov. 2014)
1031	**CONFIDENTIAL** License and Settlement Agreement (Filed Under Seal)

1032	**CONFIDENTIAL** Upstream Consent (Filed Under Seal)

Respectfully submitted,

Dated: October 3, 2025

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CERTIFICATE OF SERVICE

The undersigned certifies that on October 3, 2025, a copy of the foregoing **PETITIONER'S FIRST UPDATED EXHIBIT LIST AND EXHIBITS 1031 TO 1032** have been served on Patent Owner's counsel of record via electronic mail as follows:

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