UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD.,
SAMSUNG ELECTRONICS AMERICA, INC.
Petitioner

v.

NANOCO TECHNOLOGIES LIMITED,
Patent Owner

U.S. PATENT NO. 8,524,365

Case IPR2021-00186

PETITIONERS' UPDATED EXHIBIT LIST

LIST OF EXHIBITS

Exhibit No.	Description
1001	U.S. Patent No. 8,524,365 ("the '365 patent")
1002	Declaration of Mark A. Green in Support of Petition for *Inter Partes* Review of U.S. Patent No. 8,524,365
1003	Curriculum Vitae for Mark A. Green
1004	Prosecution History of U.S. Patent No. 8,524,365
1005	International Patent Publication No. WO 03/097904 to Banin et al. ("Banin")
1006	A. Zaban et al., *Photosensitization of Nanoporous TiO_2 Electrodes with InP Quantum Dots*, 14 LANGMUIR 3153 (1998) ("Zaban")
1007	Olga I. Mićić et al., *Synthesis and Characterization of InP Quantum Dots*, 98 J. PHYSICAL CHEMISTRY 4966 (1994) ("Mićić")
1008	V. Ptatschek et al., *Quantized Aggregation Phenomena in II–VI-Semiconductor Colloids*, 102 BERICHTE DER BUNSEN–GESELLSCHAFT FÜR PHYSIKALISCHE CHEMIE 85 (1998) ("Ptatschek")
1009	W. E. Farneth et al., *Bulk Semiconductors from Molecular Solids: A Mechanistic Investigation*, 4 CHEMISTRY OF MATERIALS 916 (1992) ("Farneth")
1010	Heng Yu et al., *Heterogeneous Seeded Growth: A Potentially General Synthesis of Monodisperse Metallic Nanoparticles*, 123 J. AM. CHEMICAL SOC'Y 9198 (2001) ("Yu")
1011	U.S. Patent No. 7,193,098 to Lucey et al. ("Lucey")
1012	S.P. Ahrenkiel et al., *Synthesis and Characterization of Colloidal InP Quantum Rods*, 3 NANO LETTERS 833 (2003) ("Ahrenkiel")
1013	INTENTIONALLY OMITTED
1014	INTENTIONALLY OMITTED
1015	U.S. Patent No. 6,815,064 to Treadway et al. ("Treadway")
1016	N. Herron et al., *Crystal Structure and Optical Properties of Cd32S14(SC6H5)36·DMF4, a Cluster with a 15 Angstrom CdS*

Exhibit No.	Description
	Core, 259 SCIENCE 1426 (1993) ("Herron")
1017	*Seven Networks, LLC v. Apple Inc.*, C.A. No. 2:19-cv-00115-JRG, Dkt. 313 (Sept. 22, 2020)
1018	Docket Control Order, *Nanoco Technologies Ltd. v. Samsung Electronics Co., Ltd.*, No. 2:20-cv-00038 (E.D. Tex.)
1019	October 2021 Calendar for Judge Rodney Gilstrap, Eastern District of Texas
1020	Return of summons to Samsung Electronics Co. and Samsung Electronics America, *Nanoco Technologies Ltd. v. Samsung Electronics Co., Ltd.*, No. 2:20-cv-00038 (E.D. Tex.)
1021	Letter dated November 9, 2020 from M. Pearson to M. Newman re stipulation about invalidity grounds
1022	Infringement contentions, *Nanoco Technologies Ltd. v. Samsung Electronics Co., Ltd.*, No. 2:20-cv-00038 (E.D. Tex.)
1023	Cover material for Zaban
1024	Cover material for Mićić
1025	INTENTIONALLY OMITTED
1026	Cover material for Farneth
1027	Cover material for Yu
1028	Cover material for Ahrenkiel
1029	INTENTIONALLY OMITTED
1030	Cover material for Herron
1031	Declaration of Chris Lowden
1032	Declaration of David Smorodin
1033	INTENTIONALLY OMITTED
1034	Declaration of Rachel Watters
1035	Catherine J. Murphy, *Optical Sensing with Quantum Dots*, 74 ANALYTICAL CHEMISTRY 520A (2002)
1036	U.S. Patent App. No. 2003/0106488 to Huang et al.

Exhibit No.	Description
1037	NANOPARTICLES: FROM THEORY TO APPLICATION (Günter Schmid ed., March 2004)
1038	Victor I. Klimov, *Nanocrystal Quantum Dots*, 28 LOS ALAMOS SCI. 214 (2003)
1039	David J. Norris, *Electronic Structure in Semiconductor Nanocrystals*, *in* SEMICONDUCTOR AND METAL NANOCRYSTALS 65 (Victor I. Klimov ed., 2003)
1040	U.S. Patent App. Pub. No. 2004/0036130 to Lee et al. ("Lee")
1041	Andy Watson et al., *Lighting Up Cells with Quantum Dots*, 34 BIOTECHNIQUES 296 (2003)
1042	INTENTIONALLY OMITTED
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1044	Victor K. LaMer et al., *Theory, Production and Mechanism of Formation of Monodispersed Hydrosols*, 72 J. AM. CHEMICAL SOC'Y 4847 (1950)
1045	Scott L. Cumberland et al., *Inorganic Clusters as Single-Source Precursors for Preparation of CdSe, ZnSe, and CdSe/ZnS Nanomaterials*, 14 CHEMISTRY OF MATERIALS 1576 (2002)
1046	C. B. Murray et al., *Synthesis and Characterization of Nearly Monodisperse CdE (E = S, Se, Te) Semiconductor Nanocrystallites*, 115 J. AM. CHEMICAL SOC'Y 8706 (1993)
1047	David Battaglia et al., *Formation of High Quality InP and InAs Nanocrystals in a Noncoordinating Solvent*, 2 NANO LETTERS 1027 (2002)
1048	Tobias Hanrath et al., *Nucleation and Growth of Germanium Nanowires Seeded by Organic Monolayer-Coated Gold Nanocrystals*, 124 J. AM. CHEMICAL SOC'Y 1424 (2002)
1049	Jennifer A. Hollingsworth et al., *"Soft" Chemical Synthesis and Manipulation of Semiconductor Nanocrystals*, *in* SEMICONDUCTOR AND METAL NANOCRYSTALS 1 (Victor I. Klimov ed., 2003)
1050	Nigel L. Pickett et al., *Syntheses of Semiconductor Nanoparticles Using Single-Molecular Precursors*, 1 CHEMICAL REC. 467 (2001)

Exhibit No.	Description
1051	INTENTIONALLY OMITTED
1052	INTENTIONALLY OMITTED
1053	U.S. Patent No. 7,056,471 to Han et al.
1054	U.S. Patent No. 7,588,828
1055	INTENTIONALLY OMITTED
1056	Olga I. Mićić et al., *Core–Shell Quantum Dots of Lattice-Matched $ZnCdSe_2$ Shells on InP Cores: Experiment and Theory*, 104 J. OF PHYSICAL CHEMISTRY B 12149 (2000)
1057	Michael L. Steigerwald, *Clusters as Small Solids*, 13 POLYHEDRON 1245 (1994)
1058	M.L. Steigerwald et al., *Application of Phosphine Tellurides to the Preparation of Group II-VI (2-16) Semiconductor Materials*, 7 ORGANOMETALLICS 245 (1988)
1059	Uri Banin et al., *Tunneling and Optical Spectroscopy of Semiconductor Nanocrystal Quantum Dots: Single-Particle and Ensemble Properties*, *in* SEMICONDUCTOR AND METAL NANOCRYSTALS 327 (Victor I. Klimov ed., 2003)
1060	Arthur J. Nozik, et al., *III-V Quantum Dots and Quantum Dot Arrays: Synthesis, Optical Properties, Photogenerated Carrier Dynamics, and Applications to Photon Conversion*, *in* SEMICONDUCTOR AND METAL NANOCRYSTALS 327 (Victor I. Klimov ed., 2003)
1061	Yong Han et al., *Synthesis and Characterization of Zinc Sulfide/Gallium Phosphide Nanocomposite Powders*, 77 J. AM. CERAMICS SOC'Y 3153 (1994)
1062	INTENTIONALLY OMITTED
1063	INTENTIONALLY OMITTED
1064	U.S. Patent No. 6,864,626 to Weiss et al. ("Weiss")
1065	U.S. Patent No. 7,147,712 to Zehnder et al. ("Zehnder '712")
1066	M. A. Olshavsky, *Organometallic Synthesis of GaAs Crystallites Exhibiting Quantum Confinement*, 112 J. AM. CHEM. SOC. 9438 (1990)

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