

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SHANGHAI HONGENE BIOTECH CORPORATION,
Petitioner

v.

CHEMGENES CORPORATION,
Patent Owner

Case IPR2023-00490
U.S. Patent No. 9,884,885

PETITIONER'S CURRENT EXHIBIT LIST

Petitioner provides herewith a current exhibit list which is updated to list Exhibits 1031 and 1032.

Dated: August 9, 2023

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Attachments: Appendix A (Exhibit List) (37 CFR 42.63)
Exhibits 1031 and 1032

APPENDIX A

CURRENT EXHIBIT LIST

Exhibit No.	Title	Abbreviation
1001	U.S. Patent No. 9,884,885	the '885 Patent
1002	File History of U.S. Patent Appl. No. 13/261,029 (which issued as the '885 Patent)	the '885 File History
1003	Declaration of Phil S. Baran, Ph.D. in support of Petition for <i>Inter Partes</i> Review of the '885 Patent	Baran Decl.
1004	S.L. Beaucage & M.H. Caruthers, <u>Deoxynucleoside Phosphoramidites – A New Class of Key Intermediates for Deoxypolynucleotide Synthesis</u> , Tetrahedron Letters (1981) Vol. 22, No. 20, 1859-1862	Beaucage (1981)
1005	M.D. Matteuci & M.H. Caruthers, <u>Synthesis of Deoxyoligonucleotides on a Polymer Support</u> , J. Am. Chem. Soc. (1981) 103, 3185-3191	Matteuci (1981)
1006	L.J. McBride & M.H. Caruthers, <u>An Investigation of Several Deoxynucleoside Phosphoramidites Useful for Synthesizing Deoxyoligonucleotides</u> , Tetrahedron Letters (1983) Vol. 24, No. 3, 245-248	McBride (1983)
1007	S.L. Beaucage & R.P. Iyer, <u>Advances in the Synthesis of Oligonucleotides by the Phosphoramidite Approach</u> , Tetrahedron (1992) Vol. 48, No. 12, 2223-2311	Beaucage (1992)
1008	A Simple Guide to Phosphoramidite Chemistry and How It Fits in Twist Bioscience's Commercial Engine (9/13/2018) ¹	Twist (2018)

¹ <https://www.twistbioscience.com/blog/science/simple-guide-phosphoramidite-chemistry-and-how-it-fits-twist-biosciences-commercial>

1009	C.B. Reese, <u>Oligo- and poly-nucleotides: 50 years of chemical synthesis</u> , Org. Biomol. Chem. (2005) Vol. 3, 3851-68	Reese (2005)
1010	J.G. Lackey & M.J. Damha, <u>The Acetal Levulinyl Ester (ALE) Group for the 2'-Hydroxyl Protection of Ribonucleosides and the Synthesis of Oligoribonucleotides</u> , Nucleic Acids Symposium Series No. 52 (2008), 35-36	Lackey (2008)
1011	G.W. Ashley, <u>Modeling, Synthesis, and Hybridization Properties of (L)-Ribonucleic Acid</u> , J. Am. Chem. Soc. (1992) Vol. 114, No. 25, 9731-9736	Ashley (1992)
1012	A. Ohkubo et al., <u>'Protected DNA Probes' Capable of Strong Hybridization Without Removal of Base Protecting Groups</u> , Nucleic Acids Research (2008) Vol. 36, No. 6, 1952-1964	Ohkubo (2008)
1013	M. Scherr et al., <u>Synthesis and Properties of Hammerhead Ribozymes Stabilized Against Nucleases by Different 2'-Modifications: methoxyethoxy-, fluoro- and amino groups</u> , Biorganic & Medicinal Chemistry Letters (1997) Vol. 7, No. 13, 1791-1796	Scherr (1997)
1014	T. Brown et al., <u>A New Base-Stable Linker for Solid-Phase Oligonucleotide Synthesis</u> , J. Chem. Soc., Chem. Commun. (1989) 891-893	Brown (1989)
1015	N. Usman et al., U.S. Patent Appl. Pub. No. US 2006/0142557 A1	Usman (2006)
1016	U.S. Patent No. 5,808,039	the '039 Patent
1017	U.S. Patent No. 5,898,031	the '031 Patent

1018	S. Pitsch et al., <u>Reliable Chemical Synthesis of Oligoribonucleotides (RNA) with 2'-O-[(Triisopropylsilyl)oxy]methyl(2'-O-tom)-Protected Phosphoramidites</u> , Helvetica Chimica Acta – Vol. 84 (2001), 3773-3795	Pitsch (2001)
1019	Y. Fan et al., <u>Transient Silylation of the Guanosine O6 and Amino Groups Facilitates N-Acylation</u> , Organic Letters (2004) Vol. 6, No. 15, 2555-2557	Fan (2004)
1020	U.S. Patent No. 7,879,991	the '991 Patent
1021	S. Pitsch & P. Weiss, <u>Preparation of 2'-O-[(Triisopropylsilyl)oxy]methyl-protected Ribonucleosides</u> , Current Protocols in Nucleic Acid Chem. (2001) 2.9.1-2.9.14	Pitsch #2 (2001)
1022	S.A. Scaringe et al., <u>Chemical synthesis of biologically active oligoribonucleotides using β-cyanoethyl protected ribonucleoside phosphoramidites</u> , Nucleic Acids Research (1990) Vol. 18, No. 18, 5433-5441	Scaringe (1990)
1023	C. Scheuer-Larsen et al., <u>Introduction of a Universal Solid Support for Oligonucleotide Synthesis</u> , Nucleosides, Nucleotides & Nucleic Acids (1997) 16:1-2, 67-80	Scheuer-Larsen (1997)
1024	R.K. Gaur et al., <u>Novel Solid Phase Synthesis of 2'-O-Methylribonucleoside 5'-Triphosphates and Their α-Thio Analogues</u> , Tetrahedron Letters (1992) Vol. 33, No. 23, 3301-3304	Gaur (1992)
1025	B.S. Sproat et al., <u>2'-O-alkyloligoribonucleotides Synthesis and Applications in Studying RNA Splicing</u> , Nucleosides and Nucleotides (1991) 10:1-3, 25-36	Sproat (1991)

1026	H. Inoue et al., <u>Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides</u> , Nucleic Acids Research (1987) Vol. 15, No. 15, 6131-6148	Inoue (1987)
1027	H.A. White, <u>Manual Oligonucleotide Synthesis Using the Phosphoramidite Method</u> , Methods in Molecular Biology Vol. 4 (1988), Ch. 14, 193-213	White (1988)
1028	G.G. Sivets et al., <u>Synthesis and Conformational Analysis of 1'- and 3'-Substituted 2-Deoxy-2-fluoro-D-ribofuranosyl Nucleosides</u> , Helvetica Chimica Acta – Vol. 90 (2007), 1818-1836	Sivets (2007)
1029	R.A. Donga et al., <u>Ion-tagged synthesis of an oligoribonucleotide pentamer — The continuing versatility of TBDMS chemistry</u> , Can. J. Chem. (2007) Vol. 85, 274-282	Donga (2007)
1030	N. Usman et al., U.S. Patent 6,528,639 B2	Usman (2003)
1031	Jeremy J. Edwards Declaration in Support of Motion to Stay	
1032	Reissue Preliminary Amendment in Reissue Application No. 18/130,902	