

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

PETROLEUM GEO-SERVICES INC.

Petitioner,

v.

WESTERNGECO L.L.C.

Patent Owner.

Case IPR2014-00688

Patent 7,080,607

**PATENT OWNER WESTERNGECO L.L.C.'S
UPDATED TABLE OF EXHIBITS**

TABLE OF EXHIBITS

| Ex. | Sealed / Public | Description |
|------|--------------------|--|
| 2001 | Public | Transcript of July 28, 2014 Conference Call with the Board |
| 2002 | Sealed | Parties and Board Only |
| 2003 | Sealed | Parties and Board Only |
| 2004 | Sealed | Parties and Board Only |
| 2005 | Public | <i>WesternGeco L.L.C. v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827, ION15987-93. |
| 2006 | Sealed | Parties and Board Only |
| 2007 | Public | Complaint in <i>WesternGeco L.L.C. v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827, June 12, 2009. |
| 2008 | Public | Notice of <i>WesternGeco L.L.C. v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827 provided to Petitioner on December 8, 2009. |
| 2009 | Public | Subpoena dated January 22, 2010 in <i>WesternGeco L.L.C. v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827. |
| 2010 | Public | WesternGeco's Motion To Compel Third-Party Production, <i>WesternGeco L.L.C. v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827, D.I. 81. |
| 2011 | Public | Petroleum Geo-Services, Inc.'s Response To Plaintiff's Document Subpoena in <i>WesternGeco L.L.C. v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827, February 8, 2010. |
| 2012 | Public | Amended Complaint filed in <i>WesternGeco L.L.C. v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827, March 14, 2011. |
| 2013 | Public | E-Mail Receipt of Amended Complaint in <i>WesternGeco L.L.C. v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827, March 14, 2011. |
| 2014 | Sealed | Parties and Board Only |
| 2015 | Public | <i>WesternGeco LLC v. Petroleum Geo-Services Inc.</i> , et al., No. 4-13-cv-02725, PGSI-T2725-WG-46640. |
| 2016 | Public | <i>WesternGeco LLC v. Petroleum Geo-Services Inc.</i> , et al., No. 4-13-cv-02725, PGSI-T2725-WG-46649. |

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Submitted: March 20, 2015

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|------|--------------------|---|
| 2017 | Public | <i>WesternGeco LLC v. Petroleum Geo-Services Inc.</i> , et al., No. 4-13-cv-02725, PGSI-T2725-WG-46638. |
| 2018 | Public | Petitioner Response to Interrogatories dated September 4, 2014. |
| 2019 | Sealed | Parties and Board Only |
| 2020 | Sealed | Parties and Board Only |
| 2021 | Sealed | Parties and Board Only |
| 2022 | Sealed | Parties and Board Only |
| 2023 | Sealed | Parties and Board Only |
| 2024 | Public | Patent Assignment Abstract |
| 2025 | Public | E-Mail from S. McKeown to D. Berl dated September 9, 2014. |
| 2026 | Public | PGS Human Resources Memo dated January 11, 2013. |
| 2027 | Sealed | Parties and Board Only |
| 2028 | Public | <i>WesternGeco LLC v. Petroleum Geo-Services Inc.</i> , et al., No. 4-13-cv-02725, Privilege Log. |
| 2029 | Public | Letter from Arka Chatterjee to Simeon Papacostas dated August 21, 2014. |
| 2030 | Public | Geo's Motion For Summary Judgment Against Western's Attempted Double Recovery, <i>WesternGeco LLC v. Petroleum Geo-Services Inc.</i> , et al., No. 4-13-cv-02725, July 15, 2014. |
| 2031 | Public | Notice of Appeal. |
| 2032 | Public | Geo's Motion To Stay Western's Claims Pending Final Judgment In Related Litigation, And Pending Patent Office Review Proceedings <i>WesternGeco LLC v. Petroleum Geo-Services Inc.</i> , et al., No. 4-13-cv-02725, May 23, 2014. |
| 2033 | Public | Local Rules of the United States District Court for the Southern District of Texas |
| 2034 | Public | Excerpt of Robin Walker Trial Transcript in <i>WesternGeco L.L.C. v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827, July 30, 2012. |
| 2035 | Public | Excerpt of Tom Scoulios Trial Transcript in <i>WesternGeco L.L.C. v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827, July 24, 2012. |
| 2036 | Public | Excerpt of Robert Brune Trial Transcript in <i>WesternGeco L.L.C.</i> |

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| | | <i>v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827, August 8, 2012. |
| 2037 | Public | Order on WesternGeco's Motion to Consolidate, <i>WesternGeco L.L.C. v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827, June 21, 2010. |
| 2038 | Public | Proposed Standing Protective Order (Default Protective Order) |
| 2039 | Public | Transcript of Deposition of Brian Evans, Ph.D. (Volume I, 2/5/2015) |
| 2040 | Public | Transcript of Deposition of Brian Evans, Ph.D. (Volume II, 2/6/2015) |
| 2041 | Public | Transcript of Deposition of Jack Cole, Ph.D. (2/12/2015) |
| 2042 | Public | Declaration of Michael S. Triantafyllou |
| 2043 | Public | <i>Exhibit Number Not Used</i> |
| 2044 | Public | U.S. Patent No. 7,162,967 |
| 2045 | Public | A. Dowling, "The Dynamics of Towed Cylinders, Part I: Neutrally Buoyant Elements," 187 J. Fluid Mech., 507-532 (1988) |
| 2046 | Public | M.P. Paidoussis, <i>Fluid-Structure Interactions: Slender Structures and Axial Flow</i> (1998) |
| 2047 | Public | M.S. Triantafyllou, 1991, <i>Dynamics of Cables, Towing Cables and Mooring Systems</i> , 23 Shock & Vibration Dig., No. 7 |
| 2048 | Public | Jason I. Gobat, Mark A. Grosenbaugh, & Michael S. Triantafyllou, Woods Hole Oceanographic Inst., <i>WHOI Cable: Time Domain Numerical Simulation of Moored and Towed Oceanographic Systems</i> , (November 1997) |
| 2049 | Public | Jason I. Gobat, Mark A. Grosenbaugh, & Michael S. Triantafyllou, <i>Generalized-α Time Integration Solutions for Hanging Chain Dynamics</i> , 128 J. of Engineering Mech., No. 6, 2002 |
| 2050 | Public | Excerpt of Hastings Bittleston Trial Transcript in <i>WesternGeco L.L.C.v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827, July 24, 2012. |
| 2051 | Public | Trial Exhibit PTX 73, "Streamer Dynamics Calculations" in <i>WesternGeco L.L.C.v. Ion Geophysical Corporation</i> , Civil Action |

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| | | No. 4:09-CV-01827 |
| 2052 | Sealed | Excerpt of Deposition Transcript of Oyvind Hillesund (Parties and Board Only) |
| 2053 | Public | <i>Acquisition Technology Snapshots</i> , 9 PGS Tech Link, No. 12 2009 |
| 2054 | Public | Trial Demonstrative Leonard DEMO008 in <i>WesternGeco L.L.C. v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827 |
| 2055 | Public | Excerpt of John Leonard Trial Transcript in <i>WesternGeco L.L.C. v. Ion Geophysical Corporation</i> , Civil Action No. 4:09-CV-01827, July 27, 2012. |
| 2056 | Public | U.S. Patent No. 5,353,223 |
| 2057 | Public | U.S. Patent No. 4,729,333 |
| 2058 | Public | U.S. Patent No. 4,463,701 |
| 2059 | Public | U.S. Patent No. 5,443,027 |
| 2060 | Public | U.S. Patent No. 3,931,608 |
| 2061 | | <i>Exhibit Number Not Used</i> |
| 2062 | | <i>Exhibit Number Not Used</i> |
| 2063 | Public | U.S. Patent No. 7,293,520 |
| 2064 | Public | Excerpts of the Declaration of Dr. Brian Evans Submitted in IPR2014-00689 |
| 2065 | | <i>Exhibit Number Not Used</i> |
| 2066 | Public | Excerpt from Webster's Third New International Dictionary, Unabridged |
| 2067 | Public | Excerpt from the Prosecution History of U.S. Patent No. 6,932,017 |
| 2068 | Public | Excerpt of <i>A Handbook for Seismic Data Acquisition in Exploration</i> , No. 7, Brian J. Evans. |
| 2069 | Sealed | Agreement, PGS-JURID_00000158 (Parties and Board Only) |
| 2070 | Public | September 9, 2014 Email from Patent Trial and Appeal Board |
| 2071 | Public | Petroleum Geo-Services Inc.'s Response to Patent Owner's Interrogatories Served in IPR2014-01475. |
| 2072 | Public | Discovery Order filed in <i>WesternGeco L.L.C. v. Petroleum Geo-Services Inc.</i> , Civil Action No. 4:13-cv-02725. |
| 2073 | Public | First Amended Complaint filed in <i>WesternGeco L.L.C. v.</i> |

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