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BEFORE THE PATENT TRIAL AND APPEAL BOARD

FUJITSU NETWORK COMMUNICATIONS, INC.,
CORIANT OPERATIONS, INC., CORIANT (USA) INC., CIENA
CORPORATION
Petitioner

v.

CAPELLA PHOTONICS, INC.
Patent Owner

Case IPR2015-00726¹
Patents RE42,368

**TRANSMITTAL ACCOMPANYING PETITIONER'S
DEMONSTRATIVES FOR ORAL ARGUMENT**

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¹ Case IPR2015-01958 has been joined with this proceeding.

Listing of Exhibits

Exhibit	Description
Ex. 1001	U.S. Patent No. RE42,368 to Chen et al.
Ex. 1002	U.S. Patent No. 6,498,872 to Bouevitch et al.
Ex. 1003	Prosecution History for U.S. Patent No. RE42,368.
Ex. 1004	Joseph E. Ford et al., <i>Wavelength Add-Drop Switching Using Tilting Micromirrors</i> , 17(5) <i>Journal of Lightwave Technology</i> 904 (1999).
Ex. 1005	U.S. Patent No. 6,442,307 to Carr et al.
Ex. 1006	U.S. Patent No. 6,625,340 to Sparks et al.
Ex. 1007	U.S. Patent Publication No. 2002/0081070 to Tew.
Ex. 1008	U.S. Provisional Patent Application No. 60/250,520 to Tew.
Ex. 1009	U.S. Patent No. 6,798,941 to Smith et al.
Ex. 1010	U.S. Provisional Patent Application No. 60/234,683 to Smith et al.
Ex. 1011	J. Alda, "Laser and Gaussian Beam Propagation and Transformation," in <i>Encyclopedia of Optical Engineering</i> , R. G. Driggers, Ed. Marcel Dekker, 2003, pp. 999–1013. ("Alda")
Ex. 1012	Joint Claim Construction and Prehearing Statement, Capella Litigation, Case No. 3:14-cv-03348-EMC, Dkt. 151.
Ex. 1013	Newton's Telecom Dictionary (17th ed. 2001) (excerpted).
Ex. 1014	Fiber Optics Standard Dictionary (3rd ed. 1997) (excerpted).
Ex. 1015	Webster's New World College Dictionary (3rd ed. 1997) (excerpted).
Ex. 1016	Declaration of Dr. Timothy Drabik.

Ex. 1017	Curriculum Vitae of Dr. Timothy Drabik.
Ex. 1018	U.S. Patent No. 6,253,001 to Hoen.
Ex. 1019	U.S. Patent No. 6,567,574 to Ma et al.
Ex. 1020	U.S. Patent No. 6,256,430 to Jin et al.
Ex. 1021	U.S. Patent No. 6,631,222 to Wagener et al.
Ex. 1022	U.S. Patent No. 5,414,540 to Patel et al.
Ex. 1023	U.S. Patent Publication No. 2002/0097956.
Ex. 1024	Shigeru Kawai, Handbook of Optical Interconnects (2005) (excerpted).
Ex. 1025	U.S. Patent No. 6,798,992 to Bishop et al.
Ex. 1026	Joseph W. Goodman, <u>Introduction to Fourier Optics</u> , Second Edition, McGraw-Hill (1996).
Ex. 1027	U.S. Patent No. 6,204,946 to Aksyuk et al.
Ex. 1028	L.Y. Lin, "Free-Space Micromachined Optical Switches for Optical Networking, <i>IEEE Journal of Selected Topics In Quantum Electronics</i> ," Vol. 5, No. 1, pp. 4–9, Jan./Feb. 1999.
Ex. 1029	S.-S. Lee, "Surface-Micromachined Free-Space Fiber Optic Switches With Integrated Microactuators for Optical Fiber Communications Systems," in <i>Tech. Dig. 1997 International Conference on Solid-State Sensors and Actuators</i> , Chicago, June 16-19, 1997, pp. 85–88.
Ex. 1030	H. Laor, "Construction and performance of a 576×576 single-stage OXC," in <i>Tech. Dig. LEOS '99</i> (vol. 2), Nov. 8–11, 1999, pp. 481–482.
Ex. 1031	R. Ryf, "1296-port MEMS Transparent Optical Crossconnect with 2.07 Petabit/s Switch Capacity," in <i>Tech. Dig. OSA Conference on Optical Fiber Communication</i> , March 2001, pp. PD28-1–PD28-3.
Ex. 1032	A. Husain, "MEMS-Based Photonic Switching in Communications Networks," in <i>Tech. Dig. OSA Conference on Optical Fiber Communication</i> , 2001, pp. WX1-1–WX1-3.

Ex. 1033	U.S. Patent No. 5,661,591 to Lin et al.
Ex. 1034	H. Laor et al., “Performance of a 576×576 Optical Cross Connect,” <i>Proc. of the Nat’l Fiber Optic Engineers Conference</i> , Sept. 26-30, 1999.
Ex. 1035	V. Dhillon. (2012, Sep. 18). <i>Blazes and Grisms</i> . Available: http://www.vikdhillon.staff.shef.ac.uk/teaching/phy217/instruments/phy217_inst_blaze.html . (“Dhillon”)
Ex. 1036	Fianium Ltd. <i>WhiteLase SC480 New Product Data Sheet</i> . Available: http://www.fianium.com/pdf/WhiteLase_SC480_BrightLase_v1.pdf . (“Fianium”)
Ex. 1037	Declaration of Dr. Joseph Ford.
Ex. 1038	Curriculum Vitae of Dr. Joseph Ford.
Ex. 1039	Final Written Decision in <i>Cisco Systems, Inc. v. Capella Photonics, Inc.</i> , IPR2014-01166, Paper No. 44 (P.T.A.B. Jan. 28, 2016).
Ex. 1040	Deposition Transcript of Dr. Alexander V. Sergienko, February 1, 2016.
Ex. 1041	Deposition Transcript of Dr. Alexander V. Sergienko in <i>Cisco Systems, Inc. v. Capella Photonics, Inc.</i> , June 30, 2015.
Ex. 1042	K. W. Goossen et al., “Silicon Modulator Based on Mechanically-Active Anti-Reflection Layer with 1 Mbit/sec Capability for Fiber-in-the-Loop Applications,” 6 <i>IEEE Photonics Tech. Letters</i> 1119 (Sept. 1994).
Ex. 1043	U.S. Patent No. 6,285,500 to Ranalli et al.
Ex. 1044	Dan M. Marom et al., “Wavelength-Selective 1xK Switches Using Free-Space Optics and MEMS Micromirrors: Theory, Design, and Implementation,” 23 <i>Journal of Lightwave Technology</i> 1620 (Apr. 2005).
Ex. 1045	Clifford Holliday, <i>Switching the Lightwave: OXC’s – The Centerpiece of All Optical Network</i> (IGI Consulting Inc. & B & C Consulting Services 2001).

Ex. 1046	Petitioner's Demonstratives for Cases IPR2015-00726 and IPR2015-00727.
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