

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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SAMSUNG ELECTRONICS CO., LTD.;  
MICRON TECHNOLOGY, INC.; and  
SK HYNIX INC.  
Petitioner

v.

ELM 3DS INNOVATIONS, LLC  
Patent Owner

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Case No. IPR2016-00387  
U.S. Patent No. 8,841,778

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**PETITIONER'S UPDATED EXHIBIT LIST**

**UPDATED LIST OF EXHIBITS<sup>1</sup>**

<b>Ex. No.</b>	<b>Description</b>	<b>Previously Submitted</b>
Ex. 1001	U.S. Patent No. 8,841,778	X
Ex. 1002	Declaration of Dr. Paul D. Franzon	X
Ex. 1003	Curriculum Vitae of Dr. Paul D. Franzon	X
Ex. 1004	U.S. Patent No. 5,202,754 to Bertin et al., issued April 13, 1993	X
Ex. 1005	U.S. Patent No. 5,162,251 to Poole et al., issued November 10, 1992	X
Ex. 1006	U.S. Patent No. 5,354,695 to Leedy, issued October 11, 1994	X
Ex. 1007	Japanese Patent Publication No. 3-151637 to Kowa including Japanese-language version, English-language translation, and translation certification	X
Ex. 1008	U.S. Patent No. 5,627,106 to Hsu, issued May 6, 1997	X
Ex. 1009	RESERVED	
Ex. 1010	RESERVED	
Ex. 1011	RESERVED	

<sup>1</sup> Citations to non-patent publications are to the original page numbers of the publication, and citations to U.S. patents are to column:line number of the patents.

Ex. 1012	RESERVED	
Ex. 1013	RESERVED	
Ex. 1014	RESERVED	
Ex. 1015	RESERVED	
Ex. 1016	RESERVED	
Ex. 1017	Prosecution History for U.S. Patent No. 8,841,778	X
Ex. 1018	Prosecution History of U.S. Patent No. 8,907,499 - Office Action dated May 29, 2013	X
Ex. 1019	Prosecution History of U.S. Patent No. 8,907,499 - Response to Office Action dated June 20, 2013	X
Ex. 1020	Prosecution History of U.S. Patent No. 8,907,499 - As-Filed Patent Application	X
Ex. 1021	Prosecution History of U.S. Patent No. 12/497,652 - Response to Office Action dated September 26, 2013	X
Ex. 1022	Prosecution History of U.S. Patent App. No. 12/497,653 - Response to Office Action dated October 24, 2013	X
Ex. 1023	Prosecution History of U.S. Patent App. No. 12/497,652 - Response to Office Action dated 4/5/13	X
Ex. 1024	Prosecution History of U.S. Patent No. 5,915,167 - Response to Office Action dated April 28, 1998	X
Ex. 1025	Prosecution History of U.S. Patent No. 5,915,167 - Response to Office Action dated September 8, 1998	X
Ex. 1026	Prosecution History of U.S. Patent No. 8,629,542 - Response to Office Action dated July 30, 2012	X
Ex. 1027	RESERVED	

Ex. 1028	Prosecution History of U.S. Patent No. 7,705,466 - Response to Office Action dated February 16, 2009	X
Ex. 1029	Prosecution History of U.S. Patent No. 7,705,466 - Response to Office Action dated June 25, 2009	X
Ex. 1030	Prosecution History of U.S. Patent No. 8,928,119 - Response to Office Action dated September 4, 2012	X
Ex. 1031	Prosecution History of U.S. Patent No. 8,928,119 - Appeal Brief dated June 3, 2013	X
Ex. 1032	Prosecution History of U.S. Patent No. 8,410,617 - Response to Office Action dated December 14, 2010	X
Ex. 1033	Prosecution History of U.S. Patent Application no. 12/497,652 - Final Office Action dated August 27, 2014	X
Ex. 1034	Prosecution History of U.S. Patent Application No. 12/497,652 - Express Abandonment dated November 20, 2014	X
Ex. 1035	Prosecution History of U.S. Patent Application No. 12/497,653 - Advisory Action dated August 27, 2014	X
Ex. 1036	Prosecution History of U.S. Patent Application No. 12/497,653 - Express Abandonment dated November 20, 2014	X
Ex. 1037	RESERVED	
Ex. 1038	RESERVED	
Ex. 1039	Concept One CVD System Process Specifications from Novellus	X
Ex. 1040	Wolf et al., <i>Processing for the VLSI Era, Volume 1 - Process Technology</i> (1986).	X
Ex. 1041	U.S. Patent No. 3,508,980 to Jackson et al., issued April 28, 1970	X

Ex. 1042	U.S. Patent No. 3,044,909 to Shockley, issued July 17, 1962	X
Ex. 1043	Fahey et al., <i>Stress-induced dislocations in silicon integrated circuits</i> , IBM J. Res. Develop. Vol. 36, No. 2, March 1992	X
Ex. 1044	Hass et al., <i>Physics of Thin Films: Advances in Research and Development</i> (1966)	X
Ex. 1045	EerNisse, E.P., <i>Stress in thermal SiO<sub>2</sub> during growth</i> , Appl. Phys. Lett. 35(1), July 1, 1979	X
Ex. 1046	Klokhholm, Erik, <i>Delamination and fracture of thin films</i> , IBM J. Res. Develop., Vol. 31, No. 5, September 1987	X
Ex. 1047	U.S. Patent No. 4,948,482 to Kobayashi et al., issued August 14, 1990	X
Ex. 1048	Isobe et al., <i>Dielectric Film Influence on Stress-Migration</i> , June 12-13 IEEE VMIC Conference (1990)	X
Ex. 1049	Van de Ven, et al., <i>Advantages of Dual Frequency PECVD for Deposition of ILD and Passivation Films</i> , June 12-13 IEEE VMIC Conference (1990)	X
Ex. 1050	U.S. Patent No. 5,160,998 to Itoh et al., issued November 3, 1992	X
Ex. 1051	Garrou, Philip, <i>Polymer Dielectrics for Multichip Module Packaging</i> , Proceedings of the IEEE, Vol. 80, No. 12, December 12, 1992	X
Ex. 1052	Grief et al., <i>Warpage and Mechanical Strength Studies of Ultra Thin 150MM Wafers</i> , IEEE/CPMT Int'l Electronics Manufacturing Technology Symposium (1996)	X
Ex. 1053	Tatsuno, Sheridan, <i>Japan's Push into Creative Semiconductor Research: 3-Dimensional ICs</i> , Solid State Technology, March 1987	X

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