

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

INTEL CORPORATION,

Petitioner

v.

DEMARAY LLC

Patent Owner

Patent No. 7,381,657

IPR2021-01031

**PETITION FOR *INTER PARTES* REVIEW
OF U.S. PATENT NO. 7,381,657**

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Ex. 1002	Declaration of Dr. Vivek Subramanian
Ex. 1003	Curriculum Vitae of Dr. Vivek Subramanian
Ex. 1004	Prosecution History of U.S. Patent No. 7,381,657
Ex. 1005	U.S. Patent No. 6,342,134 to Barber et al.
Ex. 1006	U.S. Patent No. 6,485,602 to Hirose
Ex. 1007	U.S. Patent No. 5,651,865 to Sellers
Ex. 1008	A. Belkind et al., <i>Pulsed-DC reactive sputtering of dielectrics: Pulsing parameter effects</i> (2000)
Ex. 1009	U.S. Patent No. 4,464,223 to Gorin
Ex. 1010	U.S. Patent No. 6,132,564 to Licata
Ex. 1011	U.S. Patent No. 5,942,089 to Sproul
Ex. 1012	U.S. Patent No. 6,352,629 to Wang
Ex. 1013	S. Gibilisco, <i>Handbook of Radio & Wireless Technology</i> (1999)
Ex. 1014	J. Joo, <i>Low-temperature polysilicon deposition by ionized magnetron sputtering</i> (2000)
Ex. 1015	B. Chapman, <i>Glow Discharge Processes</i>
Ex. 1016	U.S. Patent No. 4,579,618 to Celestino
Ex. 1017	International Publication No. WO 02/23588 to Quon
Ex. 1018	International Publication No. WO 01/6300 to Johnson
Ex. 1019	U.S. Patent No. 6,695,954 to Hong
Ex. 1020	U.S. Patent No. 6,153,068 to Ohmi

Ex. 1021	U.S. Patent No. 4,846,920 to Keller
Ex. 1022	U.S. Patent No. 6,911,351 to Kidoguchi
Ex. 1023	U.S. Patent No. 5,302,882 to Miller
Ex. 1024	Pinnacle Plus+ 10KW (325-650 Vdc) Master/Slave AE Bus, DeviceNet, MDXL User, UHF Output User Manual (March 2005)
Ex. 1025	The Advanced Energy MDX Magnetron Drive, Advanced Energy Industries, Inc. (March 1993)
Ex. 1026	Pinnacle 10x6 kW DeviceNet, MDXL User 5702063-C, User Manual, (May 2000)
Ex. 1027	U.S. Patent Publication No. 2002/0027249 A1 to Takemura
Ex. 1028	U.S. Patent Publication No. 2002/0144889 to Tao
Ex. 1029	E. Dogheche, <i>Growth and optical characterization of aluminum nitride thin films deposited on silicon by radio-frequency sputtering</i> , <i>Applied Physics Letters</i> (1999)
Ex. 1030	U.S. Patent No. 6,506,686 to Masuda
Ex. 1031	K. Nam, <i>A study on the high rate deposition of CrN films with x controlled microstructure by magnetron sputtering</i> , <i>Surface & Coatings Technology</i> (2000)
Ex. 1032	D. Mattox, <i>Handbook of Physical Vapor Deposition (PVD) Processing – Film Formation, Adhesion, Surface Preparation and Contamination Control</i> (1998)
Ex. 1033	U.S. Patent No. 5,830,327 to Kolenkow
Ex. 1034	U.S. Patent Publication No. 2001/0041252 to Laird
Ex. 1035	M. Ruske, <i>Properties of SiO₂ and Si₃N₄ layers deposited by MF twin magnetron sputtering using different target materials</i> , <i>Thin Solid Films</i> (1999)

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