Paper No. 1

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

AGILTRON, INC.
Petitioner

v.

MEMSCAP S.A.
Patent Owner

Patent No. 6,262,512
Issued: July 17, 2001
Filed: November 8, 1999
Title: THERMALLY ACTUATED MICROELECTROMECHANICAL SYSTEMS INCLUDING THERMAL ISOLATION STRUCTURES

Inter Partes Review No. IPR2016-01683

PETITION FOR *INTER PARTES* REVIEW
UNDER 35 USC §§ 311-319 AND 37 CFR § 42.100 *ET. SEQ.*

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EXHIBIT LIST	
Exhibit No.	**Description**
1001	US Patent No. 6,262,512 (“‘512 Pat.”)
1002	File History of US Patent No. 6,262,512
1005	US Patent No. 5,050,838 *Beatty et al.* (“Beatty”)
1006	Erno H. Klassen *et al*, “Silicon Fusion Bonding and Deep Reactive Ion Etching; A New Technology for Microstructures” (“*Klaassen*”)
1007	US Patent No. 6,070,851 *Tsai et al.* (“*Tsai*”)
1008	US Patent No. 5,741,740 *Jang et al.* (“*Jang*”)
1009	US Patent No. 5,682,053 *Wiszniewski* (“*Wiszneiwski*”)
1010	T. Lisec *et al*, “Thermally Driven Microvalve with Buckling Behaviour for Pneumatic Applications” (“*Lisec*”)
1011	J. Mark Noworolski *et al*, “Fabrication of SOI Wafers With Buried Cavities Using Silicon Fusion Bonding and Electrochemical Etchback” (“*Noworoloski*”)
1012	Semiannual Progress Report for the Reporting Period January 1995 to July 1995 On “Single Crystal Silicon Actuators and Sensors Based On Silicon Fusion Bonding Technology” (“*Maluf* Report”)
1013	US Patent No. 5,534,111 *Hocker et al.* (“*Hocker*”)
1014	US Patent No. 4,771,016 *Bajor et al.* (“*Bajor*”)
1015	US Patent No. 5,783,854 *Dries et al.* (“*Dries*”)
1016	Excerpts from N. Maluf, “An Introduction to Microelectromechanical Systems Engineering” (“*Maluf* Text”)
1017	US Patent No. 5,909,078 *Wood et al.* (“*Wood*”)

1018	M. Asheghi *et al*, "Temperature-Dependent Thermal Conductivity of Single-Crystal Silicon Layers in SOI Substrates" ("*Ashegi*").
1019	O. Paul *et al*, "Thermal Conductivity of CMOS Materials for the Optimization of Microsensors" ("*Paul*")

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