

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.,  
Petitioner,

v.

GODO KAISHA IP BRIDGE 1,  
Patent Owner.

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Case IPR2016-01377  
Patent 6,197,696 B1

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**PETITIONER'S REPLY TO PATENT OWNER'S RESPONSE**

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**TABLE OF AUTHORITIES**

**Cases**

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*TurboCare Div. of Demag Delaval Turbomachinery Corp. v. General Elec. Co.*, 264 F.3d 1111 (Fed. Cir. 2001).....22

**Other Authorities**

*Core Survival, Inc. v. S&S Precision, LLC*, PGR2015-00022, Paper 8 (P.T.A.B. Feb. 19, 2016).....3

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**LIST OF EXHIBITS**

- Exhibit 1001: U.S. Patent No. 6,197,696 to Aoi et al.
- Exhibit 1002: Expert Declaration of Dr. Bruce W. Smith, Ph.D.
- Exhibit 1003: U.S. Patent No. 3,617,824 to Shinoda et al.
- Exhibit 1004: U.S. Patent No. 3,838,442 to Humphreys.
- Exhibit 1005: U.S. Patent No. 6,140,226 to Grill et al.
- Exhibit 1006: U.S. Patent No. 5,635,423 to Huang et al.
- Exhibit 1007: U.S. Patent No. 5,741,626 to Jain et al.
- Exhibit 1008: C. Akrouf et al., "A 480-MHz Microprocessor in a  $0.12\mu\text{m}$   $L_{\text{eff}}$  CMOS Technology with Copper Interconnects," IEEE J. of Solid-State Circuits, Vol. 33, no. 11 (November 1998).
- Exhibit 1009: J.N. Burghartz et al., "Monolithic Spiral Inductors Fabricated Using a VLSI Cu-Damascene Interconnect Technology and Low-Loss Substrates," International Electron Devices Meeting (December 1996).
- Exhibit 1010: U.S. Patent No. 6,100,184 to Zhao et al.
- Exhibit 1011: U.S. Patent No. 6,103,616 to Yu et al.
- Exhibit 1012: File History of U.S. Patent No. 6,197,696 to Aoi et al.
- Exhibit 1013: Japanese Patent Application No. 10-079371 to Aoi.
- Exhibit 1014: Certified Translation of Japanese Patent Application No. 10-079371 to Aoi.
- Exhibit 1015: Japanese Patent Application No. 11-075519 to Aoi.
- Exhibit 1016: Certified Translation of Japanese Patent Application No. 11-075519 to Aoi.
- Exhibit 1017: U.S. Provisional Patent Application No. 60/071,628.

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- Exhibit 1018: U.S. Patent No. 5,592,024 to Aoyama et al.
- Exhibit 1019: U.S. Patent No. 5,920,790 to Wetzel et al.
- Exhibit 1020: Transcript of Teleconference with the Board, dated November 16, 2016.
- Exhibit 1021: <http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=4251>.
- Exhibit 1022: IEEE, "Technical Digest of the International Electron Devices," 1996 International Electron Devices Meeting at San Francisco, CA, Table of Contents (December 8-11, 1996).
- Exhibit 1023: J.N. Burghartz et al., "Monolithic spiral inductors fabricated using a VLSI Cu-damascene interconnect technology and low-loss substrates," 1996 International Electron Devices Meeting at San Francisco, CA, pp. 99-102 (December 8-11, 1996).
- Exhibit 1024: <http://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=15684>.
- Exhibit 1025: G. Gerosa, "Introduction to the Digital Section," IEEE Journal of Solid-State Circuits, vol. 33, no. 11, p. 1599 (Nov. 1998).
- Exhibit 1026: J. Dreibelbis, "Introduction to the Memory Section," IEEE Journal of Solid-State Circuits, vol. 33, no. 11, p. 1649 (Nov. 1998).
- Exhibit 1027: L.E. Thon, "Introduction to the Signal Processing Section," IEEE Journal of Solid-State Circuits, vol. 33, no. 11, pp. 176-643 (Nov. 1998).
- Exhibit 1028: [http://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=15684&filter%3DAND%28p\\_IS\\_Number%3A15684%29&pageNumber=2](http://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=15684&filter%3DAND%28p_IS_Number%3A15684%29&pageNumber=2).
- Exhibit 1029: C. Akrouf et al., "A 480-MHz RISC Microprocessor in a 0.12- $\mu\text{m}$   $L_{\text{eff}}$  CMOS Technology with Copper Interconnects," IEEE

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