

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Oracle Corporation,
NetApp Inc. and
Huawei Technologies Co., Ltd.,
Petitioners,

v.

Crossroads Systems, Inc.
Patent Owner.

IPR2014-_____

U.S. Patent No. 7,051,147

PETITION FOR *INTER PARTES* REVIEW

<p>CROSSROADS EXHIBIT 2130 NetApp Inc. v. Crossroads Systems, Inc. IPR2015-00776</p>

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EXHIBIT LIST

- 1001 U.S. Patent No. 7,051,147 (“the ‘147 Patent”)
- 1002 Select Portions of File History of the ‘147 Patent
- 1003 CRD-5500 SCSI RAID Controller User’s Manual (“CRD-5500 User Manual”)
- 1004 CRD-5500 SCSI RAID Controller Data Sheet (“CRD-5500 Data Sheet”)
- 1005 Smith *et al.*, *Tachyon: A Gigabit Fibre Channel Protocol Chip*, Hewlett-Packard Journal, October 1996 (“Smith”)
- 1006 U.S. Patent No. 6,219,771 to Kikuchi *et al.* (“Kikuchi”)
- 1007 U.S. Patent No. 6,073,209 to Bergsten (“Bergsten”)
- 1008 JP Patent Application Publication No. Hei 5[1993]-181609 to Hirai (“Hirai”)
- 1009 Infringement contentions in *Crossroads Systems, Inc. v. Oracle Corporation*, W.D. Tex. Case No. 1-13-cv-00895, *Crossroads Systems, Inc. v. Huawei Technologies Co. Ltd. et al.*, W.D. Tex. Case No. 1-13-cv-01025, and *Crossroads Systems, Inc. v. NetApp, Inc.*, W.D. Tex. Case No. 1-14-cv-00149
- 1010 Declaration of Professor Chase, Professor of Computer Science at Duke University
- 1011 *Cheating the I/O Bottleneck: Network Storage with Trapeze/Myrinet*
- 1012 Interposed Request Routing for Scalable Network Storage
- 1013 Cut-Through Delivery in Trapeze: An Exercise in Low-Latency Messaging
- 1014 Structure and Performance of the Direct Access File System
- 1015 Implementing Cooperative Prefetching and Caching in a Globally-Managed Memory System

- 1016 Network I/O with Trapeze
- 1017 A Cost-Effective, High-Bandwidth Storage Architecture
- 1018 RAID-II: A High-Bandwidth Network File Server
- 1019 Payload Caching: High-Speed Data Forwarding for Network Intermediaries
- 1020 Petal: Distributed Virtual Disks
- 1021 File Server Scaling with Network-Attached Secure Disks
- 1022 Failure-Atomic File Access in an Interposed Network Storage System
- 1023 U.S. Patent No. 6,308,228 to Yocum *et al.* (“Yocum”)
- 1024 Select Portions of File History of Reexamination Control No. 90/007,123 (U.S. Patent No. 5,941,972)
- 1025 Select Portions of the File History of Reexamination Control No. 90/007,124 (U.S. Patent No. 6,421,753)
- 1026 Plaintiff Crossroads Systems, Inc.’s Objections and Responses to Defendants’ First Set of Common Interrogatories in *Crossroads Systems, Inc. v. Oracle Corporation*, W.D. Tex. Case No. 1-13-cv-00895, *Crossroads Systems, Inc. v. Huawei Technologies Co. Ltd. et al.*, W.D. Tex. Case No. 1-13-cv-01025, and *Crossroads Systems, Inc. v. NetApp, Inc.*, W.D. Tex. Case No. 1-14-cv-00149
- 1027 *Storagepath Fibre Channel Drive System*, SWS/Storagepath, available at web.archive.org/web/19970114010450/http://www.storagepath.com/fibre.htm, archived January 14, 1997
- 1028 *Technology Brief Strategic Direction for Compaq Fibre Channel-Attached Storage*, Compaq Computer Corporation, October 14, 1997

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