### UNITED STATES PATENT AND TRADEMARK OFFICE

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## BEFORE THE PATENT TRIAL AND APPEAL BOARD

Oracle Corporation,

NetApp Inc. and

Huawei Technologies Co., Ltd.

Petitioners,

v.

Crossroads Systems, Inc.

Patent Owner.

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IPR2014-01177

U.S. Patent No. 7,934,041

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### PETITION FOR INTER PARTES REVIEW

CROSSROADS EXHIBIT 2149
Oracle Corp. v. Crossroads Systems, Inc.
IPR2015-008



## TABLE OF CONTENTS

EXH	IBIT LISTiv
I.	INTRODUCTION1
II.	MANDATORY NOTICES
A.	Real Party-In-Interest3
B.	Related Matters3
C.	Lead and Back-Up Counsel4
D.	Service Information4
III.	PAYMENT OF FEES4
IV.	REQUIREMENTS FOR INTER PARTES REVIEW4
A.	Grounds for Standing5
B.	Identification of Challenge5
1	The Specific Art and Statutory Ground(s) on Which the Challenge Is Based5
2	2. How the Construed Claims Are Unpatentable Under the Statutory Grounds Identified in 37 C.F.R. § 42.204(b)(2) and Supporting Evidence Relied Upon to Support the Challenge
V.	THE '041 PATENT6
A.	The Preferred Embodiment of the '041 Patent6
B.	Reexamination of the Grandparent of the '041 Patent8
VI.	BROADEST REASONABLE CONSTRUCTION11
VII.	GROUNDS OF UNPATENTABILITY12
A.	Claims 1-53 are Rendered Obvious by 35 U.S.C. § 103(a) by <i>CRD-5500 User Manual</i> in view of <i>CRD-5500 Data Sheet</i> and <i>Smith</i>
1	. Introduction of the CRD-5500 References
2	2. Introduction of the <i>Smith</i> Reference16
3	3. The Combined System of <i>CRD-5500 User Manual, CRD-5500 Data Sheet</i> and <i>Smith</i>
4	4. Correspondence Between Claims 1-53 and the Combined System of <i>CRD-5500 User Manual, CRD-5500 Data Sheet</i> and <i>Smith</i>
В.	Claims 1-53 Are Rendered Obvious by <i>Kikuchi</i> taken in Combination with <i>Bergsten</i>



1.	. Introduction of the <i>Kikuchi</i> Reference	29
2	. Introduction of the Bergsten Reference	30
3.	. The Combined System of Kikuchi and Bergsten	32
4.	. Correspondence Between Claims 1-53 and the Combined System of <i>Kikuchi</i> and <i>Bergsten</i>	35
C.	Claims 1-53 Are Rendered Obvious by <i>Bergsten</i> taken in Combination with <i>Hirai</i>	44
1.	. Introduction of the <i>Hirai</i> Reference	44
2.	. The Combined System of <i>Bergsten</i> and <i>Hirai</i>	46
3.	. Correspondence Between Claims 1-53 and the Combined System of Bergsten and Hirai	49
VIII.	EXPLANATION OF NON-REDUNDANCY	
IV	CONCLUSION	60

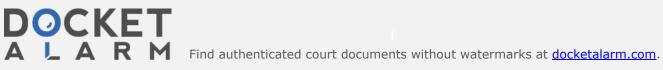


## **EXHIBIT LIST**

1	001	U.S. Patent No. 7,934,041 ("the '041Patent")
1	002	Select Portions of File History of the '04 Patent
1	003	CRD-4400 SCSI RAID Controller User's Manual ("CRD-5500 User Manual")
1	004	CRD-4400 SCSI RAID Controller Data Sheet ("CRD-5500 Data Sheet")
1	005	Smith et al., <i>Tachyon: A Gigabit Fibre Channel Protocol Chip</i> , Hewlett-Packard Journal, October 1996 ("Smith")
1	006	U.S. Patent No. 6,219,771 to Kikuchi et al. ("Kikuchi")
1	007	U.S. Patent No. 6,073,209 to Bergsten ("Bergsten")
1	800	JP Patent Application Publication No. Hei 5[1993]-181609 to Hirai ("Hirai")
1	009	Infringement Contentions in <i>Crossroads Systems, Inc. v. Oracle Corporation</i> , W.D.Tex, Case No. 1-13-cv-00895, <i>Crossroads Systems, Inc. v. Huawei Technologies Co. Ltd. et al.</i> , W.D.Tex, Case No. 1-13-cv-01025, and <i>Crossroads Systems, Inc. v. NetApp, Inc.</i> , W.D.Tex, Case No. 1-14-cv-00149
1	010	Declaration of Professor Chase, Professor of Computer Science at Duke University
1	011	Cheating the I/O Bottleneck: Network Storage with Trapeze/Myrinet
1	012	Interposed Request Routing for Scalable Network Storage
1	013	Cut-Through Delivery in Trapeze: An Exercise in Low-Latency Messaging
1	014	Structure and Performance of the Direct Access File System
1	015	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 <i>Crossroads Systems, Inc. v. Oracle Corporation</i> , W.D.Tex, Case No. 1-13-cv-00895, <i>Crossroads Systems, Inc. v. Huawei Technologies Co. Ltd. et al.</i> , W.D.Tex, Case No. 1-13-cv-01025, and <i>Crossroads Systems, Inc. v. NetApp, Inc.</i> , 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/fbre.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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