IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

CISCO SYSTEMS, INC.
Petitioner,

v.

REALTIME ADAPTIVE STREAMING, LLC
Patent Owner.

Case: IPR2018-01384
U.S. Patent No. 8,934,535

PETITION FOR *INTER PARTES* REVIEW OF CLAIMS 1-6, 8-12, 14-17, 19, 21, 22, AND 24 OF U.S. PATENT NO. 8,934,535

Mail Stop PATENT BOARD
Patent Trial and Appeal Board
United States Patent and Trademark Office
PO Box 1450
Alexandria, Virginia 22313–1450
Submitted Electronically via PTAB E2E

TABLE OF CONTENTS

PETITIONER'S EXHIBIT LIST

EX. NO.	BRIEF DESCRIPTION
1001	U.S. Patent No. 8,934,535 to Fallon *et al*.
1002	Declaration of Joseph P. Havlicek, Ph.D.
1003	Curriculum Vitae of Joseph P. Havlicek, Ph.D
1004	United States Provisional Application No. 60/268,394 (filed Feb. 13, 2001)
1005	File History for U.S. Patent No. 8,934,535
1006	U.S. Patent No. 6,309,424 to Fallon
1007	U.S. Patent No. 6,557,001 to Dvir et al. ("Dvir")
1008	Iskender Agi & Li Gong, *An Empirical Study of Secure MPEG Video Transmissions*, Proc. of the 1996 Symposium on Network and Distributed Systems Security, IEEE (1996).
1009	Ke Shen, *A Study of Real-Time and Rate Scalable Image and Video Compression*, Purdue Univ. Thesis (Dec. 1997).
1010	Ke Shen & E. Delp, *Parallel Approaches to Real-Time MPEG Video Compression*, ICPP, Vol. 2 (1996).
1011	Rahul Garg, *Methods for Matching Compressed Video to ATM Networks* (1998).
1012	Krasmit Kolarov, et al., *Low Complexity Real-time Video Encoding for Soft Set-Top Box Platforms*, Technical Program of the Cable 2K Conf. (May 2000)
1013	U.S. Patent No. 5,845,083 to Hamadani et al. ("Hamadani")
1014	U.S. Patent No. 6,195,024 to Fallon
1015	Memorandum Opinion and Order, *Realtime Data, LLC v. Actian Corp.*, No. 6:15-cv-463 (E.D. Tex.) (dated Jul. 28, 2016)

DOCKET ALARM

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts

Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research

With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips

Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS
Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS
Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS
Sync your system to PACER to automate legal marketing.