

Filed on behalf of: VirnetX Inc.

By:

Joseph E. Palys

Paul Hastings LLP

875 15th Street NW

Washington, DC 20005

Telephone: (202) 551-1996

Facsimile: (202) 551-0496

E-mail: josephpalys@paulhastings.com

Naveen Modi

Paul Hastings LLP

875 15th Street NW

Washington, DC 20005

Telephone: (202) 551-1990

Facsimile: (202) 551-0490

E-mail: naveenmodi@paulhastings.com

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

THE MANGROVE PARTNERS MASTER FUND, LTD. and APPLE INC.,
Petitioner

v.

VIRNETX INC.,
Patent Owner

Case IPR2015-01046¹
Patent 6,502,135

PATENT OWNER'S DEMONSTRATIVE EXHIBITS

¹ Apple Inc., who filed a petition in IPR2016-00062, has been joined as a Petitioner in the instant proceeding.

Inter Partes Review of
U.S. Patent No. 6,502,135
U.S. Patent No. 7,490,151

Case Nos. IPR2015-01046, -01047

Oral Hearing: June 30, 2016

Instituted Grounds

- **IPR2015-01046 (U.S. Patent No. 6,502,133)**
 - Claims 1, 3, 4, 7, 8, 10, and 12 as anticipated over Kiuchi
 - Claim 8 as obvious over Kiuchi and RFC 1034
- **IPR2015-01047 (U.S. Patent No. 7,490,153)**
 - Claims 1, 2, 6-8, 12-14 as anticipated by Kiuchi
 - Claims 1, 2, 6-8, 12-14 as obvious over Kiuchi and Rescorla and/or RFC 1034

Overview of Kiuchi

Kiuchi's C-HTTP Communication Process

36. C-HTTP communication is a multi-step process and requires three components between the client, also referred to as a user agent, and the origin server where the patient information resides: (1) a client-side proxy, (2) a server-side proxy, and (3) a C-HTTP name server. (*Id.* at 7-9.)

Abstract

We have designed "C-HTTP" which provides secure HTTP communication mechanisms within a closed group of institutions on the Internet, where each member is protected by its own firewall. C-HTTP-based communications are made possible by the following three components: a client-side proxy, a server-side proxy and a C-HTTP name server. A client-side proxy and server-side proxy communicate with each other using a secure, encrypted protocol while communications between a user agent and client-side proxy or an origin server and server-side proxy are performed using current HTTP/1.0.

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.