IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ARRIS SOLUTIONS, INC., Petitioner,

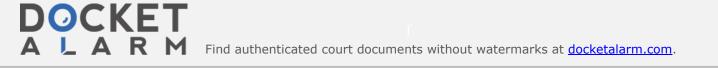
v.

REALTIME ADAPTIVE STREAMING LLC, Patent Owner

> Case IPR2019-00674 Patent 8,934,535

> >

PETITIONER'S UPDATED MANDATORY NOTICES



Pursuant to 37 C.F.R. §42.8, Petitioner provides the following updated mandatory notices:

<u>Real Party In Interest</u>: The real parties in interest are ARRIS Solutions, Inc., ARRIS International plc,¹ ARRIS International Ltd., ARRIS Technology, Inc., ARRIS Group, Inc.,² and Ruckus Wireless, Inc. Out of an abundance of caution, Petitioner also identifies CommScope Holding Company, Inc. as a real party in interest without admitting that it is in fact a real party in interest.

<u>**Related Matters</u>**: The '535 Patent is the subject of the following judicial or administrative matters:</u>

- Comcast Cable Communications, LLC et al. v. Realtime Adaptive Streaming LLC, IPR2019-00760, Patent Trial and Appeal Board;
- Google LLC et al. v. Realtime Adaptive Streaming LLC, IPR2019-

¹ ARRIS International plc was originally listed by Petitioner as a real party in interest in this proceeding but was later re-registered as a private company and consequently renamed as ARRIS International Ltd., in connection with the recent acquisition of ARRIS International plc by CommScope Holding Company, Inc. Accordingly, Petitioner has listed ARRIS International Ltd., as a real party in interest.

² ARRIS Group, Inc. was originally listed by Realtime in its Complaint in Civil
 Action No. 1:17-cv-02097 (D. Colo.), but later merged into Ruckus Wireless, Inc.
 Accordingly, ARRIS Group no longer exists as an independent entity.

00748, Patent Trial and Appeal Board;

- *Sling TV LLC et al v. Realtime Adaptive Streaming LLC*, IPR2018-01331, Patent Trial and Appeal Board;
- *Sling TV LLC, et al., v. Realtime Adaptive Streaming LLC,* IPR2018-01332, Patent Trial and Appeal Board;
- *Sling TV LLC, et al., v. Realtime Adaptive Streaming LLC,* IPR2018-01342, Patent Trial and Appeal Board;
- Unified Patents Inc. v. Realtime Adaptive Streaming LLC, IPR2018-00883, Patent Trial and Appeal Board;
- Hulu, LLC, Amazon.com, Inc., and Netflix, Inc. v. Realtime Adaptive Streaming LLC, IPR2018-01170, Patent Trial and Appeal Board;
- *Hulu, LLC v. Realtime Adaptive Streaming LLC*, IPR2018-01090, Patent Trial and Appeal Board;
- Hulu, LLC et al v. Realtime Adaptive Streaming LLC, IPR2018-01169, Patent Trial and Appeal Board;
- Amazon.com, Inc. et al v. Realtime Adaptive Streaming LLC, IPR2018-01187, Patent Trial and Appeal Board;
- Hulu, LLC et al v. Realtime Adaptive Streaming LLC, IPR2018-01195, Patent Trial and Appeal Board;
- Hulu, LLC et al v. Realtime Adaptive Streaming LLC, IPR2018-01189,

Patent Trial and Appeal Board;

- *Amazon.com, Inc. et al v. Realtime Adaptive Streaming LLC*, IPR2018-01227, Patent Trial and Appeal Board;
- Sony Corporation et al v. Realtime Adaptive Streaming LLC, IPR2018-01299, Patent Trial and Appeal Board;
- *Cisco Systems, Inc. v. Realtime Adaptive Streaming LLC*, IPR2018-01384, Patent Trial and Appeal Board;
- Sony Corporation et al v. Realtime Adaptive Streaming LLC, IPR2018-01413, Patent Trial and Appeal Board;
- Sony Corporation et al v. Realtime Adaptive Streaming LLC, IPR2018-01439, Patent Trial and Appeal Board;
- *Netflix, Inc. et al v. Realtime Adaptive Streaming LLC*, IPR2018-01630, Patent Trial and Appeal Board;
- *Netflix, Inc. et al v. Realtime Adaptive Streaming LLC*, IPR2018-01817, Patent Trial and Appeal Board;
- Netflix, Inc. et al v. Realtime Adaptive Streaming LLC, IPR2019-00209, Patent Trial and Appeal Board;
- *Realtime Adaptive Streaming v. Adobe Systems Inc.*, Case No. 2:18-cv-09344, Central District of California;
- Realtime Adaptive Streaming LLC v. Hulu, LLC, Case No. 2:17-cv-

07611, Central District of California;

- *Realtime Adaptive Streaming LLC v. Google LLC et al.*, Case No. 2:18cv-03629, Central District of California;
- Realtime Adaptive Streaming LLC v. Cox Communications, Inc., Case No. 8:18-cv-00942, Central District of California;
- Realtime Data LLC d/b/a IXO v. Sling TV LLC et al, Case No. 1:17-cv-02097, District of Colorado;
- *Realtime Adaptive Streaming LLC v. Apple Inc.*, Case No. 1:17-cv-02869, District of Colorado;
- *Realtime Adaptive Streaming LLC v. Avaya, Inc.*, Case No. 1:18-cv-01046, District of Colorado;
- Realtime Adaptive Streaming LLC v. Broadcom Corporation et al., Case No. 1:18-cv-01048, District of Colorado;
- *Realtime Adaptive Streaming LLC v. Charter Communications, Inc. et al,* Case No. 1:18-cv-01345, District of Colorado;
- Realtime Adaptive Streaming, LLC v. Comcast Cable
 Communications, LLC d/b/a Xfinity et al, Case No. 1:18-cv-01446,
 District of Colorado;
- *Realtime Adaptive Streaming LLC v. Polycom, Inc.*, Case No. 1:17-cv-02692, District of Colorado;

DOCKET A L A R M



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.