



4. On information and belief, Amazon.com, Inc. is a Delaware corporation with its principal office at 410 Terry Avenue North, Seattle, WA 98109. Amazon can be served through its registered agent, Corporation Service Company, 2711 Centerville Rd., Wilmington, DE 19808. Amazon.com is the parent company of Amazon Web Services, Inc. and the primary operator and controller of the [www.amazon.com](http://www.amazon.com) commerce website. Amazon offers its products and/or services, including those accused herein of infringement, to customers and potential customers located in Texas and in the judicial Eastern District of Texas. As non-limiting examples, Amazon distributes the accused products through its distribution facilities in Denton County, TX. Among other business, Amazon is in the business of manufacturing and selling electronic goods sold in this judicial district.

5. On information and belief, Amazon Digital Services, Inc. is a Delaware corporation with its principal place of business at 410 Terry Avenue North, Seattle, WA98109. Amazon Digital Services, Inc. can be served through its registered agent, Corporation Service Company d/b/a CSC – Lawyers Incorporating Service Company, 211 E. 7th Street, Suite 620, Austin, Texas 78701-3218. Defendant Amazon Digital Services, Inc. resides in this judicial district. Defendant Amazon Digital Services, Inc. regularly conducts business in this district.

6. On information and belief, Defendant Amazon Digital Services, LLC is a Delaware limited liability company with a principal place of business at 410 Terry Avenue North, Seattle, Washington 98109. Amazon Digital Services, LLC can be served with process through its registered agent, the Corporation Services Company, 2711 Centerville Road, Suite 400, Wilmington, Delaware 19808. Defendant Amazon Digital Services, LLC resides in this judicial district. Defendant Amazon Digital Services, LLC regularly conducts business in this district.

7. On information and belief, Defendant Amazon Web Services, Inc. is a Delaware corporation with a principal place of business at 410 Terry Avenue North, Seattle, Washington

98109. Amazon Web Services, Inc. can be served with process through its registered agent, Corporation Service Company, at 211 E 7st., Ste 620, Austin, TX 78701. Defendant Amazon Web Services, Inc. resides in this judicial district. Defendant Amazon Web Services, Inc. regularly conducts business in this district.

8. On information and belief, Defendant, Amazon Fulfillment Services, Inc. is a Delaware corporation with a principal office located at 410 Terry Avenue North, Seattle, Washington. Defendant, Amazon Fulfillment Services, Inc. resides in this judicial district. Defendant, Amazon Fulfillment Services, Inc. regularly conducts business in this district.

9. Amazon has a regular and established place of business in this District, including, e.g., distribution facilities, employees, and other business. For example, Amazon's property was appraised on the property tax rolls by Denton County at \$248 million and \$428,000. <https://www.dentoncad.com/api/notices/notice/699143?year=2017;> <https://www.dentoncad.com/api/notices/notice/659411?year=2017;> <https://blog.taxjar.com/amazon-warehouse-locations/> (“#DFW6 – 940 W Bethel Road Coppell, TX 75019”); <https://trustfile.avalara.com/resources/amazon-warehouselocations/>. As another example, Amazon has its Amazon Fulfillment Center FTW3-4 at 15201 Heritage Pkwy, Fort Worth, TX 76177, which is in this District. Amazon also maintains data center(s) in Dallas/Fort Worth area, which is involved in the operation of the accused instrumentalities. Amazon offers its products and/or services, including those accused herein of infringement, to customers and potential customers located in Texas and in this District. Amazon derives financial benefits through its business in Texas and in this District. *See, e.g.,* [http://dir.texas.gov/View-Search/ContractsDetail.aspx?contractnumber=DIR-TSO-2733;](http://dir.texas.gov/View-Search/ContractsDetail.aspx?contractnumber=DIR-TSO-2733) <https://aws.amazon.com/contractcenter/cloud-services-for-the-state-of-texas/>.<sup>1</sup>

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<sup>1</sup> *See also, e.g.,* <http://www.costar.com/News/Article/Amazon-Establishes-Austin-HQ-inDomain->

**JURISDICTION**

10. Uniloc brings this action for patent infringement under the patent laws of the United States, 35 U.S.C. § 271 *et seq.* This Court has subject matter jurisdiction pursuant to 28 U.S.C. §§ 1331 and 1338(a).

11. This Court has personal jurisdiction over Amazon in this action because Amazon has committed acts within the Eastern District of Texas giving rise to this action and has established minimum contacts with this forum such that the exercise of jurisdiction over Amazon would not offend traditional notions of fair play and substantial justice. Amazon has committed and continues to commit acts of infringement in this District by, among other things, offering to sell and selling products and/or services that infringe the asserted patent.

12. Venue is proper in this Court pursuant to 28 U.S.C. §§ 1391 and 1400(b). Amazon is registered to do business in Texas, and upon information and belief, Amazon has transacted business in the Eastern District of Texas and has committed acts of direct and indirect infringement in the Eastern District of Texas. Amazon has regular and established place of business in this District, as set forth above.

**COUNT I**

(INFRINGEMENT OF U.S. PATENT NO. 7,054,365)

13. Uniloc incorporates the preceding paragraphs above by reference.

14. UNILOC 2017 is the owner, by assignment, of U.S. Patent No. 7,054,365 (“the ‘365 Patent”), entitled METHOD FOR PROVIDING VARIABLE BIT RATE IN

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[7/171852; http://www.datacenterknowledge.com/archives/2008/11/18/whereamazons-data-centers-are-located](http://www.datacenterknowledge.com/archives/2008/11/18/whereamazons-data-centers-are-located); <http://www.govtech.com/computing/Texas-andAmazon-Unite-on-Cloud-Services-Contract.html>; [http://publishingext.dir.texas.gov/portal/internal/contracts-and-services/Contracts/Contract%20DIR\\_TSO\\_2733.pdf](http://publishingext.dir.texas.gov/portal/internal/contracts-and-services/Contracts/Contract%20DIR_TSO_2733.pdf).

STREAMING SERVICE that issued on May 30, 2006. A true and correct copy of the '365 Patent is attached as Exhibit A hereto.

15. Uniloc USA is the exclusive licensee of the '365 Patent with ownership of all substantial rights therein, including the right to grant sublicenses, to exclude others, and to enforce, sue and recover past and future damages for the infringement thereof.

16. Amazon makes, uses, offers for sale, sells and/or imports into the United States a platform marketed under the name "Amazon Video on Demand." Products falling within this marketed family include services and platforms called "video on demand" (e.g., <https://aws.amazon.com/cloudfront/streaming/>). These services and platforms utilize the Amazon Video on Demand services. Collectively, these services and platforms constitute the "Accused Infringing Devices".

17. The Accused Infringing Devices include various devices and platforms which utilize the Amazon video on-demand services.

18. The Accused Infringing Devices include various devices and platforms that provide and/or present variable bit-rate streaming video via the Amazon video on-demand services.

19. Amazon's AWS Elemental MediaConvert encoder separates a stored original video bit stream into a plurality of files and a plurality of a file types, where file types are defined at least in part by at least a picture type of a frame and a discrete cosine transform (DCT) coefficient group.

20. Amazon video on-demand supports the following adaptive bit rate streaming technologies: HTTP Live Streaming (HLS) and Dynamic adaptive streaming over HTTP (DASH, also known as MPEG- DASH).

21. Amazon video on-demand merges certain selected files from the plurality of files

and selected frames by considering a state of traffic of a network and provides streaming video service of the merged bit stream.

22. Amazon has directly infringed and continues to directly infringe one or more claims of the '365 Patent in the United States during the pendency of the '365 Patent, including at least claims 1 literally and/or under the doctrine of equivalents, by or through making, using, offering for sale and/or selling the Accused Infringing Devices that operate as described above.

23. In addition, should the Accused Infringing Devices be found to not literally infringe the asserted claims of the '365 Patent, use of the devices would nevertheless infringe the asserted claims of the '365 Patent. More specifically, the devices perform substantially the same function (providing a variable bit-rate streaming video), in substantially the same way (via an on-demand streaming service platform that separates a stored original video into a plurality of files and a plurality of file types), to yield substantially the same result (providing a merged bit stream of selected files and selected frames by considering a state of traffic of a network). Amazon would thus be liable for direct infringement under the doctrine of equivalents.

24. Amazon has indirectly infringed and continues to indirectly infringe at least claims 1 of the '365 Patent in this judicial district and elsewhere in the United States by, among other things, actively inducing the using, offering for sale or selling the Accused Infringing Devices. Amazon's customers who use such devices in accordance with Amazon's instructions directly infringe one or more of the foregoing claims of the '365 Patent in violation of 35 U.S.C. § 271. Amazon directly and/or indirectly intentionally instructs its customers to infringe through training videos, demonstrations, brochures, installation and/or user guides such as those located at one or more of the following:

- <https://s3.amazonaws.com/solutions-reference/video-on-demand/latest/video-on-demand-on-aws.pdf>
- <https://docs.aws.amazon.com/mediaconvert/latest/ug/medi>

- [aconvert-guide.pdf](#)
- <https://docs.aws.amazon.com/elastictranscoder/latest/developerguide/elastictranscoder-dg.pdf>
- <https://aws.amazon.com/cloudfront/streaming/>

Amazon is thereby liable for infringement of the '365 Patent under 35 U.S.C. § 271(b).

25. Amazon has indirectly infringed and continues to indirectly infringe at least claim 1 of the '365 Patent by, among other things, contributing to the direct infringement by others including, without limitation customers using the Accused Infringing Devices, by making, offering to sell, selling and/or importing into the United States, a component of a patented machine, manufacture or combination, or an apparatus for use in practicing a patented process, constituting a material part of the invention, knowing the same to be especially made or especially adapted for use in infringing the '365 Patent and not a staple article or commodity of commerce suitable for substantial non-infringing use.

26. Amazon will have been on notice of the '365 Patent since, at the latest, the service of this complaint upon Amazon. By the time of trial, Amazon will have known and intended (since receiving such notice) that its continued actions would actively induce and contribute to the infringement of one or more of claims of the '365 Patent.

27. Amazon may have infringed the '365 Patent through other devices, systems, and software utilizing the same or reasonably similar functionality as described above. Uniloc reserves the right to discover and pursue all such additional infringing software and devices.

28. Uniloc has been damaged by Amazon's infringement of the '365 Patent.

#### **PRAYER FOR RELIEF**

Uniloc requests that the Court enter judgment against Amazon as follows:

- (A) declaring that Amazon has infringed the '365 Patent;
- (B) awarding Uniloc its damages suffered as a result of Amazon's infringement of the

'365 Patent;

- (C) awarding Uniloc its costs, attorneys' fees, expenses and interest, and
- (D) granting Uniloc such further relief as the Court may deem just and proper.

**DEMAND FOR JURY TRIAL**

Uniloc hereby demands trial by jury on all issues so triable pursuant to Fed. R. Civ. P. 38.

Dated: July 12, 2018

Respectfully submitted,

*By: /s/ James L. Etheridge*

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