

## CLOUD TO CABLE - 2nd Patent Allowed



### Second Patent - Allowed for Cloud to Cable

Besides US Patent 10,123,074 a new patent is allowed within the same family. A second set of claims were allowed on September 3rd, 2019 and that means that several claims that cover MPEG TV and Music broadcasting, MPEG 2-way communications, HTTP Live Streaming broadcasting, and fault-tolerance for carriers.

The patent covers a system to deliver multiple video and audio broadcasts that combine web pages with multimedia to be delivered to cable operators.

32. (New) A system, comprising:

a multicast server configured to generate parameters relating to at least one of video content, image content and audio content, and configured to output the parameters via MPEG outputs;

a caching server communicatively coupled to the multicast server, and configured to receive and store the parameters,

create a temporal sequence of screen captures of a rendered web page, where each said screen capture defines content of the rendered web page at a given time, and at least two adjacent screen captures in the temporal sequence illustrate a dynamic change of at least a portion of the video content, image content or audio content over time,

assemble the temporal sequence of screen captures, and

provide at least one of the video content, image content and audio content to the multicast server for generating a multicast stream with MPEG encoded video and audio.

The following summary of inventions and claims for the following inventions:

- MPEG Broadcasting - DVB (Digital Video Broadcasting)
- MPEG 2-way broadcasting (On Demand)
- HTTP Live Streaming (Applications, OTT TV, Over-the-Top)(
- Fault-Tolerance and broadcasting

The claims allowed are essential for modern broadcasting systems for video, music, and web-pages



The Cloud to Cable TV patents are a bridge between cloud systems and TV & Audio broadcasting platforms where the convergence of HTML and Virtualization make possible, what is called today Edge Computing.

In 4G & 5G systems, Edge Computing is classified as:

Edge computing provides compute and storage resources with adequate connectivity (networking) close to the devices generating traffic. The benefit is the ability to provide new services with high requirements on e.g. latency or on local break-out possibilities to save bandwidth in the network – data should not have to travel far in the network to reach the server. Regulatory compliance and network scalability are also important edge computing drivers. Source ([Ericsson](#))

In a way, Cloud to Cable brings compute and storage resources for TV broadcasting systems, either DVB, Content Delivery Networks, or other similar systems.

You can review a summary of what's been published by the USPTO.

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