

Cloud to Cable TV Patent Issued Today.



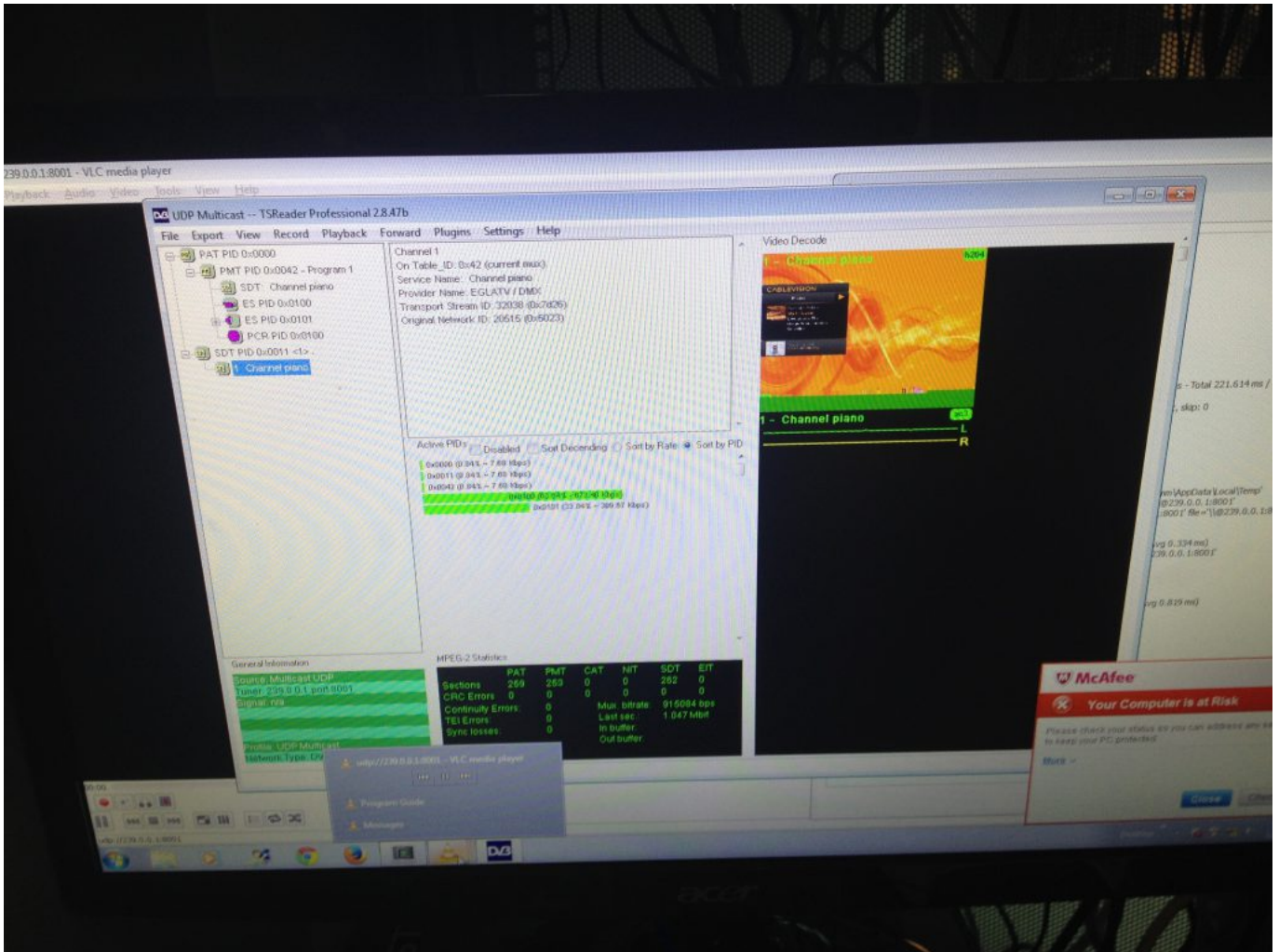
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- (12) **United States Patent**
Hernandez-Mondragon
- (10) **Patent No.:** **US 10,123,074 B2**
(45) **Date of Patent:** **Nov. 6, 2018**
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- (54) **METHOD, SYSTEM, AND APPARATUS FOR MULTIMEDIA CONTENT DELIVERY TO CABLE TV AND SATELLITE OPERATORS**
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- (72) Inventor: **Edwin A. Hernandez-Mondragon**, Coral Springs, FL (US)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
- (21) Appl. No.: **15/538,911**
- (22) PCT Filed: **Dec. 22, 2015**
- (86) PCT No.: **PCT/US2015/067464**
§ 371 (c)(1),
(2) Date: **Jun. 22, 2017**
- (87) PCT Pub. No.: **WO2016/106360**
PCT Pub. Date: **Jun. 30, 2016**
- (65) **Prior Publication Data**
US 2017/0374417 A1 Dec. 28, 2017
- Related U.S. Application Data**
- (60) Provisional application No. 62/095,504, filed on Dec. 22, 2014.
- (51) **Int. Cl.**
H04N 21/4402 (2011.01)
H04N 21/2343 (2011.01)
(Continued)
- (52) **U.S. Cl.**
CPC ... **H04N 21/440218** (2013.01); **H04N 21/233**
- (58) **Field of Classification Search**
CPC H04N 21/440218; H04N 21/233; H04N 21/234309; H04N 21/2387;
(Continued)
- (56) **References Cited**
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(Continued)
- Primary Examiner* — Hunter B Lonsberry
(74) *Attorney, Agent, or Firm* — Fox Rothschild LLP
- (57) **ABSTRACT**
Systems, methods, and computer-readable media for delivering multimedia content from the cloud to cable operators are disclosed. A device located at the cable headend or implemented in the cloud can receive a request for at least one media stream for playback on a broadcast media channel. Content corresponding to a plurality of multimedia files in the media stream can be obtained from the internet or a cloud based service. The content can be used to generate the multimedia files in a format that is compatible with the cable operator. The multimedia files can be used to assemble the at least one media stream which can be provided to the cable operator for broadcast on the broadcast media channel.

US Patent 10,123,074

Today, the US Pat 10,123,074 issued for Cloud to Cable, after a provisional was filed December 2014. This patent covers the currently commercialized Cloud to Cable TV system. The process was not that long, considering that the initial firm, NOVAK DRUCE was disbanded and I had to transfer the case to Greg Nelson and Fox & Rothschild, LLP in West Palm Beach, FL.

The patent issued is titled: *Method, system, and apparatus for multimedia content delivery to cable TV and satellite operators*



A patent continuation was filed in October to cover other aspects of the invention, as shown in the picture the patent generates video with an MPEG Transport Stream that is compatible with a Cable TV system.

What is Cloud to Cable?

The main aspects and novelty of the invention include but are not limited to the following items:

- Integration of web-elements, web pages, or HTML5-related content with rendering of

this content on OTT, IPTV, and most importantly, Cable TV systems.

- Virtualization and use of containers in the distribution of music and TV content to cable operators, by provision at virtual machine or docker container with the web page plus content for rendering purposes.
- Essentially, the patent covers music and TV distribution to cable operators and systems for broadcasting.
- Over-the-Top, IPTV systems, or Cable TV operators can now integrate novel ReactJS, Javascript, and all advanced mechanisms for designing user interfaces into their video feeds.
- Audio and music channels can be integrated and created by just connecting to the web-based content provider.
- Fault-tolerance and high-reliability is presented in the disclosure.

In many ways, the invention covers a device, system, and methods to accomplish media distribution with ease, reducing costs, and implementing a novel mechanism that replaces satellite delivery, hardware encoders, and many other devices,



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Cloud to Cable Video

A video can be found at EGLA's Youtube Channel:

<https://www.youtube.com/watch?v=80G-rh6DIns>



[You can download the official specification and claims from he USPTO 10,123,074 patent Download](#)