

RESPONSE TO ELECTION/RESTRICTION REQUIREMENT

Attorney Docket No.: 100720-00019

Appln. No.: 18/800,685

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. through 13. (canceled).

14. (original) A method of a caching unit, the method comprising:
initializing Secured Socket Layer Shell (SSH) Tunnel keys and Internet Protocol (IP) security (IPSec) keys;
loading IP addresses of a plurality of multicast servers;
configuring a plurality of playlists per channel and multicast address;
loading a Uniform Resource Locator (URL) with a website of a custom user interface;
performing parallel multiplexing of audio and video;
rendering the custom user interface using a headless engine;
receiving an HTTP request comprising a request playlist of multimedia items;
updating a log in the HTTP request; and
storing the request playlist in a memory of the caching unit in conjunction with an expiration time of the request playlist.

15. (original) The method according to claim 14, wherein the request playlist comprises one of Moving Pictures Experts Group (MPEG) transport streams and MPEG 4 values.

RESPONSE TO ELECTION/RESTRICTION REQUIREMENT

Attorney Docket No.: 100720-00019

Appln. No.: 18/800,685

16. (original) The method according to claim 14, further comprising generating a broadcast stream by multiplexing the multimedia items of the request playlist with the custom user interface.

17. (original) The method according to claim 14, further comprising storing the custom user interface in the memory of the caching unit in one of an Extensible Markup Language (XML) format, a JavaScript Object Notation (JSON) format, and a Hypertext Transfer Markup Language (HTML) format.

18. (original) The method according to claim 14, wherein the storing the request playlist comprises storing the request playlist in conjunction with an associated playlist name.

19. (original) The method according to claim 14, wherein the storing the request playlist comprises storing the request playlist with an associated user interface.

20. (original) The method according to claim 14, further comprising: removing the request playlist from the memory of the caching unit based on expiration of the expiration time of the request playlist.

21. (original) The method according to claim 14, further comprising synchronizing the memory of the caching unit with a main repository using SSH.