

ABSTRACT

Systems, devices, and methods for obtaining an event message track configured to be processed by a Dynamic Adaptive Streaming over HyperText Transfer Protocol (DASH) client for displaying media content, the event message track corresponds to a plurality of events comprising one or more of Media Presentation Description (MPD) events, inband events, timed metadata, Common Media Application Format (CMAF) events, and DASH events; obtaining a scheme identifier box identifying one or more event schemes that appear in the event message track, wherein each event scheme of the one or more event schemes specifies at least one parameter for processing an event among the plurality of events included in the event message track; and providing the event message track to the DASH client or displaying media content based on the event message track according to the one or more event schemes.