Dynamically Placing Closed Captioning Outside Rendered Video

Fred Zustak
SonyDp@convergenceiplaw.com
Brant Candelore
Mike Nejat
Peter Shintani

Follow this and additional works at: http://www.tdcommons.org/dpubs_series

Recommended Citation
Zustak, Fred; Candelore, Brant; Nejat, Mike; and Shintani, Peter, "Dynamically Placing Closed Captioning Outside Rendered Video", Technical Disclosure Commons, (May 08, 2017)
http://www.tdcommons.org/dpubs_series/499
ABSTRACT

A system and method are disclosed to dynamically place closed captioning (CC) outside of a rendered video. When the user plays a video with CC on the system, the system overrides the placement of captioning by the content provider and instead renders it within a letterbox on the display screen. The letterbox may be placed above, below, to the left or right of the active video. The active video may be moved from the center of the screen to accommodate a designated area in which closed captioning is placed. The advantage of the disclosed system is that the user may view video content with CC, without it interfering with the content of the video.

BACKGROUND

Currently closed captioning (CC) is overlaid on the video and it interferes with display of the video. It may obscure faces, gestures, and action shown in the video as well as scrolling banners that may be delivered as part of the video. One of the ways to mitigate the problem, if allowed by the display device, is to minimize the size of the CC text so that it does not obscure as much video. This may make it difficult to read depending on how close the viewer is to the TV. Also, the CC may be misplaced and may obscure some critical aspect of the video.

DESCRIPTION

A system and method are disclosed to dynamically place closed captioning (CC) outside rendered video. The system includes a video display device with the ability to relocate the CC provided by the content provider as illustrated in FIG. 1. When the user plays a video with CC on the system, the system overrides the placement of closed captioning (CC) by the content provider.
provider. The method utilizes a letterbox which renders CC within a designated area on the display screen. The designated CC area may be placed above, below, to the left or right of the active video. The active video may be moved from the center of the screen to accommodate a large designated area in which closed captioning is placed. The display may not be decimated to fit the CC on screen.

![FIG. 1: System to dynamically place closed captioning (CC) outside a rendered video](image)

The system may use CC to render dialogue in text format, but could also include description of the content of the video.

The advantage of the disclosed system is that the user may view video content with CC, without it interfering with the content of the video.