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(54) **SYSTEMS AND METHODS FOR GENERATING ALTERNATE AUDIO FOR A MEDIA STREAM**  
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CPC ..... **G10L 13/027** (2013.01); **G10L 15/07** (2013.01); **G10L 15/19** (2013.01); **G10L 25/63** (2013.01); **H04N 21/8106** (2013.01)  
(57) **ABSTRACT**  
Systems and methods are described herein for generating alternate audio for a media stream. The media system receives media that is requested by the user. The media comprises a video and audio. The audio includes words spoken in a first language. The media system stores the received media in a buffer as it is received. The media system separates the audio from the buffered media and determines an emotional state expressed by spoken words of the first language. The media system translates the words spoken in the first language into words spoken in a second language. Using the translated words of the second language, the media system synthesizes speech having the emotional state previously determined. The media system then retrieves the video of the received media from the buffer and synchronizes the synthesized speech with the video to generate the media content in a second language.



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(54) **SYSTEMS AND METHODS FOR APPLYING BEHAVIORAL-BASED PARENTAL CONTROLS FOR MEDIA ASSETS**  
(71) Applicant: **Rovi Guides, Inc.**, San Jose, CA (US)  
(72) Inventors: **Vijay Kumar**, Bangalore (IN); **Rajendran Pichaimurthy**, Bangalore (IN); **Madhusudhan Srinivasan**, Bangalore (IN)  
(21) Appl. No.: **16/520,282**  
(22) Filed: **Jul. 23, 2019**

(52) **U.S. CL.**  
CPC ..... **H04N 21/422** (2006.01); **G10L 15/18** (2006.01); **H04N 21/454** (2013.01); **H04N 21/44218** (2013.01); **G10L 2015/088** (2013.01); **H04N 21/42203** (2013.01); **G10L 15/1822** (2013.01); **H04N 21/44222** (2013.01)  
(57) **ABSTRACT**  
Systems and methods are disclosed herein for applying behavioral-based parental controls for media assets. The disclosed techniques herein discuss determining a media asset viewed by a user and character actions of a character within the media asset. Behavioral user data is received which includes a user action. A determination is made whether the user action matches one of the character actions. If a match is found, a parental control restriction setting for the media asset is applied and this parental control restriction is stored in memory.

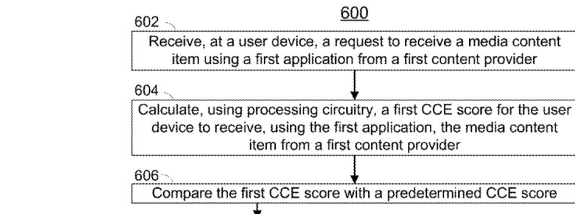


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(54) **SYSTEMS AND METHODS FOR SWITCHING CONTENT PROVIDERS TO MAINTAIN STREAMING EXPERIENCE**  
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(72) Inventors: **Vijay Kumar**, Bangalore (IN); **Vikram Makam Gupta**, Bangalore (IN)  
(21) Appl. No.: **16/417,261**  
(22) Filed: **May 20, 2019**

(52) **U.S. CL.**  
CPC ..... **H04N 21/4516** (2013.01); **H04N 21/4667** (2013.01); **H04N 21/41407** (2013.01); **H04N 21/442** (2013.01)  
(57) **ABSTRACT**  
Systems and methods are described herein for selecting content providers based on performance scores of the respective content providers. The system monitors the performance of a content provider, where the performance is based on the quality of service for receiving a media content item from the content provider. Based on the monitored performance, the system may determine if an adequate performance is not achievable. In response to determining that an adequate performance is not achievable, the system compares the performance of the content provider to the performance of a second content provider and provides, on the user device, the media content item from the second content provider.

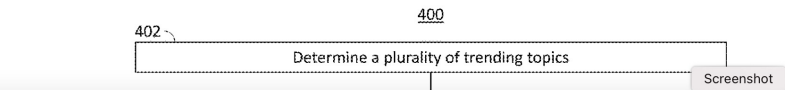


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(54) **SYSTEMS AND METHODS FOR AUTOMATICALLY IDENTIFYING SPAM IN SOCIAL MEDIA COMMENTS**  
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(72) Inventors: **Vijay Kumar**, Bangalore (IN); **Rajendran Pichaimurthy**, Bangalore (IN); **Madhusudhan Srinivasan**, Bangalore (IN)  
(21) Appl. No.: **16/541,785**  
(22) Filed: **Aug. 15, 2019**

(52) **U.S. CL.**  
CPC ..... **H04L 51/12** (2013.01); **G06Q 50/01** (2013.01); **H04L 51/32** (2013.01)  
(57) **ABSTRACT**  
Systems and methods are described herein for automatically identifying spam in social media comments based on a comparison of the content of a particular comment on a popular or trending post with content of other comments on the same or other popular or trending posts on the same or other social media platforms. Comments associated with each post are compared to determine whether content of a comment associated with one post is similar to, or matches, content associated with another post of a different trending topic. In response to determining that the content of a comment associated with one post is similar to the content of a comment associated with another post, the two comments are identified as spam, and a notification is generated for display to an administrator of the social media platform identifying the two comments as spam.

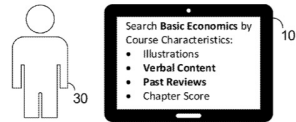


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(54) **METHOD AND APPARATUS FOR CURATION OF CONTENT**  
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(21) Appl. No.: **16/520,199**  
(22) Filed: **Jul. 23, 2019**

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CPC .... **G06F 16/90348** (2019.01); **G06F 16/9038** (2019.01); **G06F 16/90332** (2019.01); **G06F 16/90328** (2019.01)  
(57) **ABSTRACT**  
Systems and methods for curation of content, such as e-learning content or online instructional materials, according to particular criteria such as the amount of pictorial representations contained therein, the amount of verbal expression contained therein, and whether the content contains a summary. Other criteria may also be employed. Users may select any one or more of these and other criteria. Content is then sorted according to the selected criteria and presented as an ordered list of content that users can select for viewing.



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(54) **SYSTEMS AND METHODS TO CURATE RECOMMENDATIONS FROM UNSUBSCRIBED SOCIAL MEDIA ACCOUNTS**  
(71) Applicant: **Rovi Guides, Inc.**, San Jose, CA (US)  
(72) Inventors: **Madhusudhan Srinivasan**, Bangalore (IN); **Vijay Kumar**, Bangalore (IN); **Karistuka**, Bangalore (IN)  
(21) Appl. No.: **16/424,122**  
(22) Filed: **May 28, 2019**

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CPC ..... **G06F 16/9536** (2019.01); **H04L 51/12** (2013.01); **H04L 51/24** (2013.01); **H04L 51/32** (2013.01)  
(57) **ABSTRACT**  
Methods and systems for curating notifications from unfollowed accounts are described herein. The system tracks that a first account previously followed a second account and subsequently unfollowed the second account. The system identifies an interest of the first account and monitors the activities of the second account for activity that matches the interest. If there is a match between the interest and an activity of the second account, the system notifies the first account of the activity. These methods and systems provide the user with relevant information from unfollowed accounts.

