

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2023/0232083 A1 **COOLEY-WHITE** et al.

Jul. 20, 2023 (43) Pub. Date:

(54) SYSTEMS AND METHODS FOR PREDICTING **USER-GENERATED CONTENT TRENDS** WITH MACHINE-GENERATED METADATA

(71) Applicant: Microsoft Technology Licensing, LLC,

Redmond, WA (US) (72) Inventors: **Donvea Durece COOLEY-WHITE**,

> Seattle, WA (US); Daniel Ryan HOWELL, Kirkland, WA (US)

(21) Appl. No.: 17/576,616

(22) Filed: Jan. 14, 2022

Publication Classification

(51) **Int. Cl.** H04N 21/854 (2011.01)G06Q 50/00 (2012.01) G06F 16/9536 (2019.01)

(52) U.S. Cl. CPC H04N 21/854 (2013.01); G06F 16/9536 (2019.01); **G06Q 50/01** (2013.01)

(57)**ABSTRACT**

A method of presenting video information to a user includes obtaining a comparison video including a plurality of frames from a social media platform, determining a presence of at least one event in the comparison video, obtaining social media metrics for the comparison video from the social media platform, and assigning a social media value to the at least one event based at least partially on the social media metrics and at least one property of the event.

