



US 20240214230A1

(19) **United States**

(12) **Patent Application Publication**

**Kare et al.**

(10) **Pub. No.: US 2024/0214230 A1**

(43) **Pub. Date: Jun. 27, 2024**

(54) **AUTOMATIC IMAGE GENERATOR USING MEETING CONTENT**

**Publication Classification**

(71) Applicant: **Capital One Services, LLC**, McLean, VA (US)

(51) **Int. Cl.**  
**H04L 12/18** (2006.01)  
**G06T 11/00** (2006.01)  
(52) **U.S. Cl.**  
CPC ..... **H04L 12/18** (2013.01); **G06T 11/00** (2013.01)

(72) Inventors: **Sarvani Kare**, Clarksville, MD (US); **Daniel Tran**, McLean, VA (US); **Lee Adcock**, Midlothian, VA (US); **Geeta Shyamala**, Herndon, VA (US); **Benjamin Polk**, Arlington, VA (US)

(57) **ABSTRACT**

Methods and systems disclosed herein describe generating virtual backgrounds for video communications. A virtual background generator may monitor a user's calendar and/or inbox for meetings. The virtual background generator may analyze the context of calendar invites and/or scheduled meetings to generate one or more virtual backgrounds for a video conference. A first background may be displayed for the video conference. Additionally, the virtual background generator may update the virtual background based on an analysis of one or more topics being discussed during the video conference. Based on the analysis of the one or more topics being discussed, the virtual background generator may generate a second virtual background to replace the first virtual background.

(21) Appl. No.: **18/601,441**

(22) Filed: **Mar. 11, 2024**

**Related U.S. Application Data**

(63) Continuation of application No. 17/884,627, filed on Aug. 10, 2022, now Pat. No. 11,973,608.

