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(19) **United States**(12) **Patent Application Publication**
KHAVRONIN et al.(10) **Pub. No.: US 2023/0232052 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **MACHINE LEARNING TECHNIQUES FOR
DETECTING SURGES IN CONTENT
CONSUMPTION**filed on Dec. 28, 2015, now abandoned, which is a
continuation-in-part of application No. 14/498,056,
filed on Sep. 26, 2014, now Pat. No. 9,940,634.(71) Applicant: **BOMBORA, INC.**, New York, NY
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HALECKY**, Reno, NV (US)(51) **Int. Cl.****H04N 21/231** (2006.01)**H04L 67/104** (2006.01)**H04L 67/14** (2006.01)**H04N 21/25** (2006.01)(52) **U.S. Cl.**CPC **H04N 21/231** (2013.01); **H04L 67/1044**(2013.01); **H04L 67/14** (2013.01); **H04N****21/251** (2013.01)(73) Assignee: **BOMBORA, INC.**, New York, NY
(US)(21) Appl. No.: **18/168,440**(22) Filed: **Feb. 13, 2023****Related U.S. Application Data**(63) Continuation of application No. 17/189,073, filed on
Mar. 1, 2021, now Pat. No. 11,589,083, which is a
continuation-in-part of application No. 14/981,529,
filed on Dec. 28, 2015, now abandoned, which is a
continuation-in-part of application No. 14/498,056,
filed on Sep. 26, 2014, now Pat. No. 9,940,634,
Continuation-in-part of application No. 14/981,529,(57) **ABSTRACT**

The present disclosure describes a content consumption monitor (CCM) that determines surges in content consumption based on changes in content consumptions scores. The CCM determines the content consumptions scores for domains and/or organizations (orgs) based on session events generated by different devices/users from the org and/or domain, a number of events generated by the org/domain, content and/or user interactions with the content indicated by the events, relevancy scores of the content to one or more topics, and/or other criteria. The CCM detects surges in consumption or interest in a topic for the domain/org when the consumption score reaches a threshold and/or within a period of time. The CCM may adjust the consumption score based on the changes in the relevancy, number of events and/or the number of users over different time periods. Other embodiments may be described and/or claimed.

