(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2023/0232081 A1**
Pierre (43) **Pub. Date: Jul. 20, 2023**

(54) **INTERACTIVE APPLICATION SERVER ON A SECOND SCREEN DEVICE**

(71) Applicant: **OpenTV, Inc.**, San Francisco, CA (US)

(72) Inventor: **Ludovic Pierre**, Mountain View, CA (US)

(73) Assignee: **OpenTV, Inc.**, San Francisco, CA (US)

(21) Appl. No.: **18/085,764**

(22) Filed: **Dec. 21, 2022**

Related U.S. Application Data

(63) Continuation of application No. 16/698,265, filed on Nov. 27, 2019, now Pat. No. 11,564,017, which is a continuation of application No. 14/976,410, filed on Dec. 21, 2015, now Pat. No. 10,542,327.

Publication Classification

(51) **Int. Cl.**
H04N 21/81	(2006.01)
H04N 21/431	(2006.01)
H04N 21/61	(2006.01)
H04N 21/436	(2006.01)
H04L 65/1059	(2006.01)
A63F 13/327	(2006.01)
H04N 21/478	(2006.01)
A63F 13/2145	(2006.01)
A63F 13/31	(2006.01)
H04L 67/025	(2006.01)
H04L 65/1083	(2006.01)
H04M 1/72427	(2006.01)
H04N 21/41	(2006.01)
H04L 65/612	(2006.01)

(52) **U.S. Cl.**
CPC *H04N 21/8166* (2013.01); *H04N 21/4312* (2013.01); *H04N 21/6125* (2013.01); *H04N 21/43615* (2013.01); *H04L 65/1059* (2013.01); *A63F 13/327* (2014.09); *H04N 21/4781* (2013.01); *A63F 13/2145* (2014.09); *A63F 13/31* (2014.09); *H04N 21/8173* (2013.01); *H04L 67/025* (2013.01); *H04L 65/1083* (2013.01); *H04M 1/72427* (2021.01); *H04N 21/41265* (2020.08); *H04L 65/612* (2022.05); *A63F 13/26* (2014.09)

(57) **ABSTRACT**

A server version of an interactive application executed by a processing device of a first mobile device communicatively connected to a main video rendering device collects first data generated by a first client version of the interactive application executed by the processing device. The server version of the interactive application generates first displayable content relating to the first client version of the interactive application based on the first data, wherein the first displayable content is rendered on a display of the first mobile device. The server version of the interactive application generates second displayable content based in part on the first data and additional data relating to the server version of the interactive application, wherein the first displayable content is different from the second displayable content. The server version of the interactive application, transmits the second displayable content to the main video rendering device to be rendered on a main video display.