

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2024/0214521 A1

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

(54) VIDEO PROCESSING METHOD AND APPARATUS, COMPUTER, AND READABLE STORAGE MEDIUM

(71) Applicant: TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, Shenzhen (CN)

(72) Inventor: Hongtao ZUO, Shenzhen (CN)

Appl. No.: 18/438,615

(22) Filed: Feb. 12, 2024

Related U.S. Application Data

Continuation of application No. PCT/CN2023/ 085843, filed on Apr. 3, 2023.

Foreign Application Priority Data (30)

(CN) 202211292011.2

Publication Classification

(51) Int. Cl. H04N 7/15 (2006.01)G06V 10/56 (2006.01)

U.S. Cl. CPC

H04N 7/152 (2013.01); G06V 10/56 (2022.01); H04N 7/155 (2013.01)

(57)ABSTRACT

A video processing method includes: obtaining video stream data from N video acquisition devices, N being a positive integer, and each video acquisition device corresponding to one visual angle; stitching N pieces of video stream data into a video synthesis picture based on region division information for video picture synthesis, the region division information indicating locations of the N pieces of video stream data in the video synthesis picture; and transmitting the video synthesis picture to a participating client, to enable the participating client to split the video synthesis picture into the N pieces of video stream data based on the region division information, and perform synchronous rendering on the N pieces of video stream data based on video display region information corresponding to the participating client.

S301 Obtain video stream data from N video acquisition devices Stitch N pieces of video stream data into a video synthesis S302 picture based on region division information used for performing video picture synthesis S303 Transmit the video synthesis picture to a participating client