

# (19) United States

## (12) Patent Application Publication (10) Pub. No.: US 2022/0386437 A1 Kwon et al.

Dec. 1, 2022 (43) Pub. Date:

### (54) CENTRAL SERVER AND DRAMATIC PERFORMANCE SYSTEM INCLUDING

(71) Applicant: HYBE CO., LTD., Seoul (KR)

(72) Inventors: Hyuntaek Kwon, Seoul (KR); Dongik Kim, Seoul (KR); Changon Lee, Seoul (KR); Sunho Cho, Seoul (KR)

(21) Appl. No.: 17/881,990

(22) Filed: Aug. 5, 2022

### Related U.S. Application Data

- (63) Continuation of application No. 16/771,910, filed on Jun. 11, 2020, now Pat. No. 11,452,192, filed as application No. PCT/KR2018/006633 on Jun. 12, 2018.
- (60) Provisional application No. 62/597,437, filed on Dec. 12, 2017.

#### (30)Foreign Application Priority Data

(KR) ..... 10-2018-0006304 Jan. 17, 2018

#### **Publication Classification**

(51) Int. Cl.

H05B 47/165 (2006.01)H05B 47/19 (2006.01)H04L 67/125 (2006.01)

(52) U.S. Cl.

CPC ...... H05B 47/165 (2020.01); H05B 47/19 (2020.01); **H04L 67/125** (2013.01)

#### ABSTRACT

A central server according to an embodiment of the present invention may comprise a database which stores library data corresponding to a library to be executed in a lighting device, a communication unit which transmits the library data to a mobile terminal of a user, and a processor which acquires a seat layout map of a performance hall and provides directing data including information on a color pattern that each of a plurality of pixels constituting the seat layout map has to express to each pixel.

