

(19) **United States**
(12) **Patent Application Publication** (10) **Pub. No.: US 2024/0237174 A1**
YOU et al. (43) **Pub. Date: Jul. 11, 2024**

(54) **LIGHT-EMITTING DEVICE CONTROL METHOD AND DEVICE**

(71) Applicant: **Shenzhen Intellirocks Tech. Co., Ltd.**,
Shenzhen (CN)

(72) Inventors: **Jie YOU**, Shenzhen (CN); **Wenlong WU**, Shenzhen (CN)

(21) Appl. No.: **18/559,314**

(22) PCT Filed: **Aug. 20, 2021**

(86) PCT No.: **PCT/CN2021/113846**
§ 371 (c)(1),
(2) Date: **Nov. 6, 2023**

(30) **Foreign Application Priority Data**

Aug. 11, 2021 (CN) 2021109210715

Publication Classification

(51) **Int. Cl.**
H05B 47/105 (2006.01)
G06T 7/73 (2006.01)
G06V 10/56 (2006.01)
G06V 20/40 (2006.01)
G06V 20/80 (2006.01)
G06V 30/19 (2006.01)
H05B 47/175 (2006.01)
H05B 47/19 (2006.01)

(52) **U.S. Cl.**
CPC **H05B 47/105** (2020.01); **G06T 7/74**
(2017.01); **G06V 10/56** (2022.01); **G06V**
20/46 (2022.01); **G06V 20/80** (2022.01);
G06V 30/19007 (2022.01); **H05B 47/19**
(2020.01); **H05B 47/198** (2024.01); **G06T**
2207/10016 (2013.01); **G06T 2207/10024**
(2013.01)

(57) **ABSTRACT**

A method for controlling light-emitting devices includes: receiving broadcast signals broadcasted by light-emitting devices; obtaining a lighting video collected during lighting state switching of a light-emitting device; performing lighting state identification based on the lighting video, and determining a second lighting switching instruction message for switching the lighting state of each light-emitting device in the lighting video; matching the first lighting switching instruction message indicated by the broadcast signal with the second lighting switching instruction message corresponding to each light-emitting device in the lighting video to determine a broadcast signal corresponding to each light-emitting device in the lighting video; determining a network address of each light-emitting device in the lighting video based on the determined broadcast signal corresponding to each light-emitting device in the lighting video; and according to the network address of each light-emitting device in the lighting video, controlling a corresponding light-emitting device.

