

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2022/0386435 A1 Bessems et al.

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

(54) SYSTEMS AND METHODS FOR PROVIDING DYNAMIC LIGHTING

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(21) Appl. No.: 17/884,190

(22) Filed: Aug. 9, 2022

Related U.S. Application Data

- (63) Continuation-in-part of application No. 17/082,767, filed on Oct. 28, 2020, now Pat. No. 11,419,201, Continuation-in-part of application No. 17/023,899, filed on Sep. 17, 2020, which is a continuation of application No. 16/259,491, filed on Jan. 28, 2019, now Pat. No. 10,830,400.
- (60) Provisional application No. 62/926,862, filed on Oct. 28, 2019, provisional application No. 62/628,131, filed on Feb. 8, 2018.

Publication Classification

(51) Int. Cl. (2006.01)H05B 47/11 H05B 45/10 (2006.01)H05B 45/20 (2006.01)H05B 47/115 (2006.01)

(52) U.S. Cl.

CPC H05B 47/11 (2020.01); H05B 45/10 $(2020.01); \textit{H05B} \ \textit{45/20} \ (2020.01); \textit{H05B}$ *47/115* (2020.01)

(57)ABSTRACT

Computer implemented systems and methods for providing dynamic lighting through lighting fixtures are provided herein. In one aspect, one or more characteristics of light provided from a lighting fixture or a plurality of lighting fixtures changes over time to shape the environment of an indoor space according to simulated environment illumination parameters and general illumination parameters. Dynamic lighting may improve the health or wellbeing of individuals in an indoor space, for example, by simulating an outdoor environment to reduce stress, by providing circadian entrainment to improve sleep and wakefulness, or the like. Other aspects of the present disclosure enable lighting fixtures to provide light that is synchronized with one or more other devices that simulate an environment and shape the environment of an indoor space.

