US 20220353978A1

(19) United States

(12) Patent Application Publication

(10) Pub. No.: US 2022/0353978 A1

(43) Pub. Date: Nov. 3, 2022

Petersen et al.

(54) **CONTROLLING GROUPS OF ELECTRICAL LOADS**

(71) Applicant: **Lutron Technology Company LLC**, Coopersburg, PA (US)

(72) Inventors: **Alexander S. Petersen**, Bethlehem, PA (US); **Jaykrishna A. Shukla**, Mays Landing, NJ (US)

(73) Assignee: **Lutron Technology Company LLC**, Coopersburg, PA (US)

(21) Appl. No.: **17/863,589**

(22) Filed: **Jul. 13, 2022**

Related U.S. Application Data

(63) Continuation of application No. 16/875,663, filed on May 15, 2020, now Pat. No. 11,425,811.

(60) Provisional application No. 62/849,521, filed on May 17, 2019.

Publication Classification

(51) **Int. Cl.**

H05B 47/19	(2006.01)
H05B 47/165	(2006.01)
H05B 47/105	(2006.01)
H05B 41/39	(2006.01)

(52) **U.S. Cl.**

CPC ***H05B 47/19*** (2020.01); ***H05B 47/165*** (2020.01); ***H05B 47/105*** (2020.01); ***H05B 41/39*** (2013.01)

(57) **ABSTRACT**

A remote control device may be configured to transmit command messages based on user interactions. The remote control device may receive an indication of a user interaction and transmit a command message based on the indication of the user interaction. The command message may include a command to adjust an intensity level of a lighting device and a fade period. The fade period may include the period of time over which the lighting device is to transition to the intensity level. After a transmission interval period of time from when the command message was transmitted elapses and based on a subsequent user interaction, the remote control device may transmit another command message, which may include a command for the lighting device to adjust to another intensity level over the fade period. The fade period may be longer than the transmission interval.