Simplified Daylight Harvesting

Tech ID: 22662 / UC Case 2006-239-2

FULL DESCRIPTION

With support from the Public Interest Energy Research (PIER) program of the California Energy Commission (CEC), the California Lighting Technology Center (CLTC) has developed the foundations for a simplified on/off and stepped dimming control system for bi-level lighting applications.

The new simplified daylighting control system is composed of a microcontroller, a photo sensor, an optional occupancy sensor and optional user controls. These components can be integrated into single product/units, or be combined through wired and/or wireless communications for a variety of products and systems. The new technology offers auto- and continuous calibration, along with user adjustable on/off set points for light switching.

California utility members of the CLTC Advisory Council (PG&E, SCE, SDGE and SMUD) have reviewed the new technology and have expressed strong interest in supporting demonstrations of emerging technologies.

APPLICATIONS

- The CLTC is looking for OEM companies interested in collaboration towards the commercialization of the new simplified daylighting control technology, for wide implementation in multiple fixture types and lighting applications

OTHER INFORMATION

Available for limited, co-exclusive commercial licensing from the University of California

California Lighting Technology Center (CLTC) website: http://cltc.ucdavis.edu/

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	7,781,713	08/24/2010	2006-239
United States Of America	Issued Patent	7,683,301	03/23/2010	2006-277
United States Of America	Issued Patent	7,592,583	09/22/2009	2006-347

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- Power Line Phase Cut Signaling
- A Discrete Color Approach for Stress Mitigation in Medical and Related Healthcare Applications as Applied to the Lighting Of Interiors and/or Medical Apparatus

CONTACT

Andrew M. Van Court
amvancourt@ucdavis.edu
tel: .

INVENTORS

- Graeber, Keith E.
- Page, Erik R.
- Papamichael, Konstantinos
- Siminovitch, Michael J.

OTHER INFORMATION

CATEGORIZED AS

- **Energy**
  - Lighting

RELATED CASES

2006-239-2, 2006-347-0, 2006-277-2

University of California, Davis

Technology Transfer Office

1 Shields Avenue, Mrak Hall 4th Floor,

Davis,CA 95616

Tel:

530.754.8649

techtransfer@ucdavis.edu

https://research.ucdavis.edu/technology-transfer/

Fax:

530.754.7620