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# (12) United States Patent Lester

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#### (54) LED DIMMING STABILIZER APPARATUS AND METHOD

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CPC ..... *H05B 33/0827* (2013.01); *H05B 33/0845* 

(2013.01)

(58) Field of Classification Search

CPC combination set(s) only.

See application file for complete search history.

#### (56) References Cited

#### U.S. PATENT DOCUMENTS

2012/0235582 A1\* 9/2012 Ido ...... H05B 33/0815 315/186

\* cited by examiner

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### (57) ABSTRACT

An add-on electronic load that, when inserted in parallel with a LED fixture, which is controlled by a triac-based dimmer, will improve dimming performance by reducing flickering and/or achieving a lower stable dim level, while dissipating an amount of power that can be safely dissipated if said add-on load in installed in a single-gang wall box behind installed said dimmer.

#### 12 Claims, 13 Drawing Sheets

