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United States Patent [19] Griffin

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[54] **ELECTRONIC BALLAST POWER SUPPLY FOR GAS DISCHARGE LAMP INCLUDING BOOSTER START CIRCUIT RESPONSIVE TO POWER UP CONDITION**

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[51] Int. Cl.⁵ **G05F 1/00**

[52] U.S. Cl. **315/291; 315/292; 315/293; 315/307; 315/308; 315/195; 315/DIG. 5**

[58] Field of Search **315/291, 292, 293, 307, 315/308, 194, DIG. 5, DIG. 2**

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[57] **ABSTRACT**

A kickstart system and method for operating gas discharge lamps is disclosed wherein the amplitude and frequency of the starting voltage are raised for a predetermined period of time to ionize the gas within the lamp and thereafter reduced to steady state operating levels.

9 Claims, 2 Drawing Sheets

