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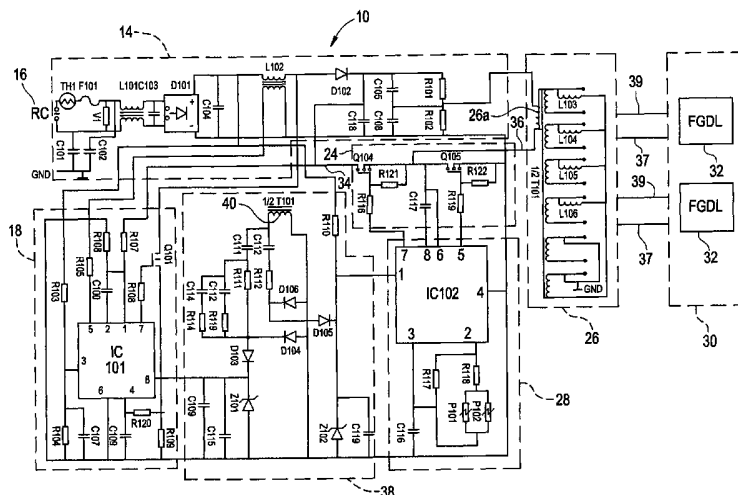
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ning of each regular issue of the PCT Gazette.

(54) Title: LIGHTING CONTROL SYSTEM WITH VARIABLE ARC CONTROL INCLUDING START-UP CIRCUIT FOR PRO-
VIDING A BIAS VOLTAGE SUPPLY



(57) Abstract: A lighting control system provides variable arc current to one or more fluorescent gas discharge lamps (30) and provides a heating voltage to the lamp electrodes. The system includes a start-up circuit which includes circuitry for providing a starting voltage to an output power conditioning circuit (28). The latter drives a switching unit to control the application of DC power to the fluorescent gas discharge lamps and to provide an operating voltage to an input power factor correction circuit (18). The input power factor correction circuit (18) boosts the converted DC power and the operating voltage. The start-up circuit (28) includes a plurality of voltage doubling rectifier circuits (D103-D106) and a plurality of zener diodes (Z101, Z102) which receive the operating voltage and are electrically connected to the input power factor correction circuit (18) and the output power conditioning unit (28) so as to provide a regulated bias voltage supply to the output power conditioning unit and to the input power factor correction circuit.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H05B 41/16

US CL : 315/247, 246, 200R, 209R, 224, 267, 278, 279, 284, 287, 291, 307, 312, 324, Dig.5

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 315/247, 246, 200R, 209R, 224, 267, 278, 279, 284, 287, 291, 307, 312, 324, Dig.5

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NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,011,357 A (GRADZKI et al) 04 January 2000 (04.01.2000), see entire document.	1-20
A	US 5,483,127 A (WIDMAYER et al) 09 January 1996 (09.01.1996), see entire document.	1-20



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