



(19)

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European Patent Office

Office européen des brevets



(11)

EP 0 650 312 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
20.03.1996 Bulletin 1996/12

(51) Int. Cl.⁶: H05B 41/16, H05B 41/232

(43) Date of publication A2:
26.04.1995 Bulletin 1995/17

(21) Application number: 94202932.3

(22) Date of filing: 11.10.1994

(84) Designated Contracting States:
AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

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(30) Priority: 21.10.1993 CL 93414977

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(54) Fluorescent lamp energizing circuit

(57) An improved energizing circuit for starting and regulating a gaseous discharge lamp. The circuit is 100% solid state and does not require the use of any inductive components or any filaments for its proper operation. The circuit is made up of several subcircuits including a rectifying/voltage-doubling circuit, a second multiplying circuit, a low power oscillating circuit and a

high voltage amplifier circuit. A high frequency AC signal is used to ionize the gas and ignite the lamp, while a DC signal is generated by the circuit to keep the lamp illuminated once it is ignited. The size and weight of the integrated circuit ballast are such that it could be incorporated into the fluorescent lamp package itself.

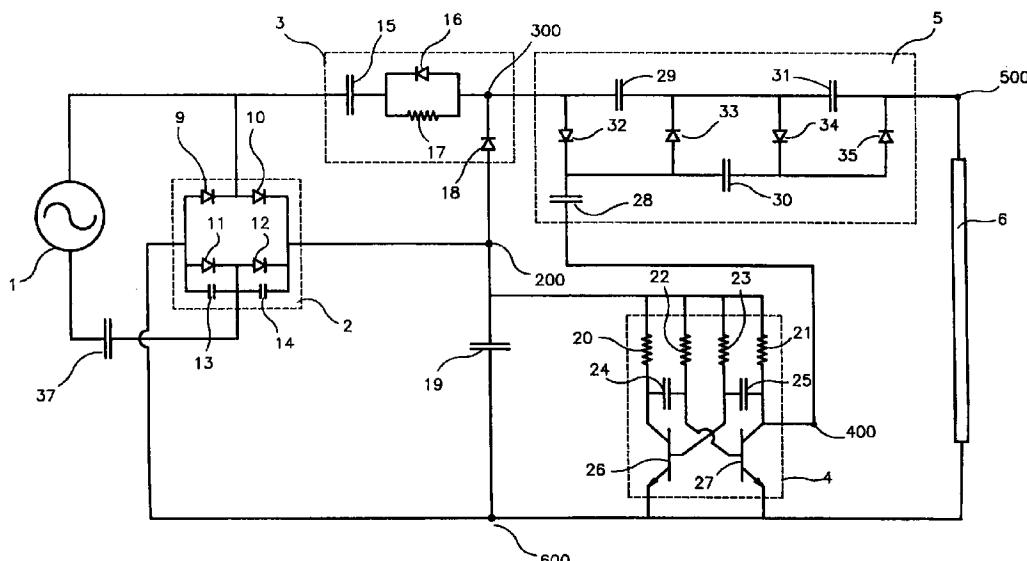


FIG.5

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EUROPEAN SEARCH REPORT

Application Number
EP 94 20 2932

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim			
X A 1 *	FR-A-2 645 393 (FERRERO) * page 3, line 29 - page 5, line 4; figure -----	1-3 5, 10	H05B41/16 H05B41/232		
The present search report has been drawn up for all claims					
Place of search	Date of completion of the search	Examiner			
THE HAGUE	22 January 1996	Speiser, P			
CATEGORY OF CITED DOCUMENTS					
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