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(54) **A device for powering, controlling and commanding electric light sources**

(57) A device for powering, controlling and commanding lamps (6) of plants (1) for drying painted products (2), comprising a circuit (8) for supplying power to the lamps (6) at a determined value of power, which comprises a magnetic amplifier (27) connected to the circuit (8), first sensors (15) able to measure the value of the electrical parameters of the circuit (8), second sensors (18) able to measure the value of the working parameters of the lamp (6), a control and command unit (24) connected at the input to said first and second sen-

sors (15, 18) and at the output to the magnetic amplifier (27); the unit (24) being able continuously to monitor the signals coming from said first and second sensors (15, 18) comparing them with related pre-set reference values and, every time a variation of the aforementioned parameters occurs, being able to send a respective proportional signal to the amplifier (27) which varies its variable impedance (31) proportionately to said received signal, thereby contrasting in the circuit (8) the variation in the parameters, constantly to maintain the efficiency of the lamp (6) at a determined value.

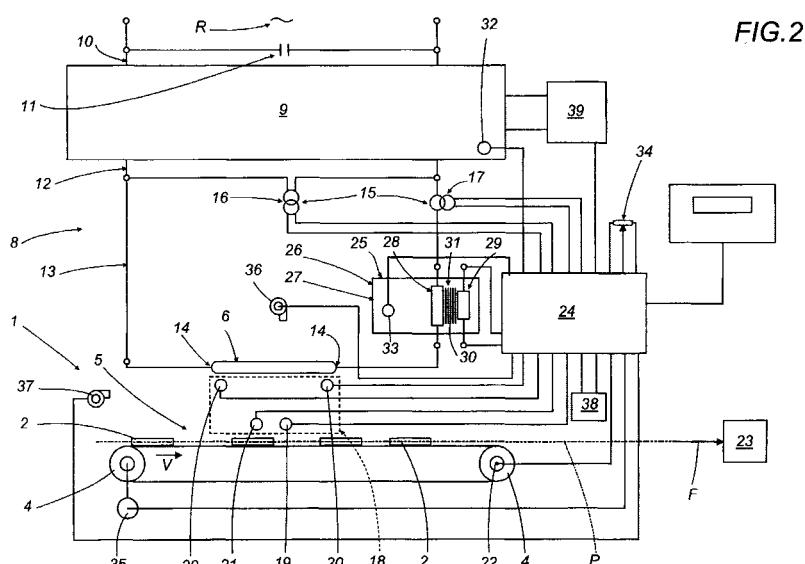


FIG.2

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EUROPEAN SEARCH REPORT

Application Number
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Place of search	Date of completion of the search	Examiner	
THE HAGUE	27 February 2002	Maicas, J.	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone	T : theory or principle underlying the invention		
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P : intermediate document	& : member of the same patent family, corresponding document		

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