

Title (en)
A device for powering, controlling and commanding electric light sources

Title (de)
Anordnung zum Betreiben und Steuern von elektrischen Lichtquellen

Title (fr)
Dispositif pour alimenter, contrôler et commander des sources lumineuses électriques

Publication
EP 1054581 A2 20001122 (EN)

Application
EP 00830357 A 20000517

Priority
IT BO990267 A 19990518

Abstract (en)
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 sensors (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. <IMAGE>

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H05B 41/36

IPC 8 full level
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CPC (source: EP)
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Cited by
CN109374526A; GB2387449A; GB2387449B; CN106323491A; US7038390B2

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