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- (71) Applicant: G.I. & E. HOLDING S.p.A. 60027 Osimo (Ancona) (IT)
- (72) Inventor: Ghergo, Luciano 60027 Osimo (Ancona) (IT)
- (74) Representative: Dall'Olio, Giancarlo Invention S.r.I.Via delle Armi, 1 40137 Bologna (IT)

(54) Apparatus for controlled supply of lighting systems

(57) An apparatus for controlled supply of lighting systems powered by an alternating voltage (V_{AC}) source, with interposition of protection means and supplying a plurality of electric loads ($L_1, L_2, ..., L_j, ..., L_n$), includes a device for converting the alternating voltage (V_{AC}) into a direct voltage (V_{DC}), made available at the outlet terminals.

A plurality of modulating units $(U_1,\,U_2,\,...,\,U_j,\,...,\,U_s)$ are connected respectively to the plurality of electric loads $(L_1,\,L_2,\,...,\,L_j,\,...,\,L_n)$ and supplied by the direct volt-

age (V_{DC}).

Each unit (U_j) includes at least one solid state electronic switch $(E_1, E_2, ..., E_j, E_J^A, E_J^B, E_J^C, E_J^D)$, which is enabled/disabled to allow circulation of an electrical current (I_i) through the corresponding load (L_i) .

A central unit is provided for enabling/disabling the solid state electronic switches (E₁, E₂, ..., E_j, E_JA, E_JB, E_JC, E_JD, ...,E_n) by respective control signals (S₁, S₂, ..., S_j, S_JA, S_JB, S_JC, S_JD, ..., S_n), according to a prefixed modulation technique.

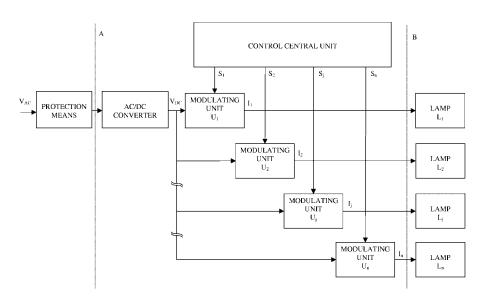


FIG 1



EUROPEAN SEARCH REPORT

Application Number EP 07 10 1948

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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