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MAILED

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Commissioner of Patents,

Applicant: Wm. F. Friedman, et al

Robert V. Laughlin, and
Charles A. Rowe,
C/O Chief of the Air Corps.,
Munitions Bldg., CITY.

Ser. No. 36,868
Filed Aug. 19, 1935
For Electrical Switching
Mechanism.

Responsive to amendments filed May 22, and June 11, 1936.

Additional references made of record:

Savoy	1,184,264	May 23, 1916	200-52 X (Ball),
Shoenberg	1,732,488	Oct. 22, 1929	177-347,
Jurhomme (Fr)	522,443	Mar. 31, 1921	177-346(2 pp; 1 s).

Claims 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 20, 21, and 22 are rejected as incorrect. It does not appear that the variations in applicants' system are random, since they are fixed by the cam contours, and will produce an irregular time sequence of circuit connections which will, after a given time, be repeated. Moreover, given the two cam contours and the motor speed, the operation at any subsequent period (after a given position) can be calculated, since the same sequence of operation will always be repeated from the same position. This is not true random operation, no matter how complex the sequence of operations may be. The patents to Savoy, Shornberg and Jurhomme show true random operation of circuits, since the sequence, or in the case of Shoenberg the time, of operation cannot be predicted.

Claim 10 is rejected with claim 7. The last line is also questioned. Will not the order of operation always be the same in that only adjacent contacts can be operated in succession?

Claim 13 is rejected as fully met by Jurhomme, Savoy, and Shoenberg, whose thermal contacts operate at random, being determined by such factors as ambient temperature.

Claim 14, line 3, what is the antecedent of "its"?

Claim 18 is rejected with claim 13. The time interval between successive operations of any given circuit in the references is variable.

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Claims 19 and 20, line 4, what is meant by "differentially"?

Claims 21 and 22, line 3, what is meant by "random order"?

To what does this refer? How, if at all, does this limitation avoid the references?

Claim 23 is rejected as indefinite. The relation between the irregular contact spacing and the varying time intervals of connection is not clear from the wording employed.

Claim 6, as at present advised, contains allowable subject matter.

Examiner.