

## IN THE UNITED STATES PATENT OFFICE

In re application of  
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 Frank B. Rowlett,  
 Serial No. 36,868,  
 Filed Aug. 19, 1935,  
 System for Randomizing the Relations  
 Of Electrical Circuits.

Div. 48, Recd 5731

June 11, 1936.

Hon. Commissioner of Patents,

Sir:

Supplemental to amendment dated May 22, 1936, it is  
 desired to incorporate additional claims as follows :

18. A mechanism of the character described comprising a  
 set of switching devices provided with movable contacts for establishing  
 intermittent circuit connections ; and means <sup>including slipping friction drive elements</sup> for varying the rate of move-  
 ment of said devices in respect to the time interval between the successive  
 operations of any given circuit.

19. A switching device comprising components provided  
 with electrical contacts, said components being movably associated for  
 establishing intermittent circuit connections ; and means for varying the  
 relative rate of movement of said components independently and differentially  
 to change the time interval between circuit controlling operations of any  
 given circuit.

20. A switching mechanism comprising relatively movable components, provided with electrical contacts for establishing intermittent circuit connections; means for varying said connections, including differential/<sup>slip-disk</sup>driving systems operable with each of said components for randomizing the intervals of time between successive operations of any given circuit.

21. A switching mechanism comprising relatively movable components, provided with operatively associated contact elements, one of said components having its elements arranged in/<sup>any</sup>random order; and means for moving said components relative to each other whereby the time interval between the opening and closing operation of any given circuit is varied aperiodically.

22. A switching mechanism comprising rotatable components, each provided with operatively related contact elements, and one of said components having its contact elements electrically connected in a/<sup>fortuitous</sup>random order; and means for varying the relative rate of movement of said components for intermittently and aperiodically effecting the operation of any given circuit.

23. In a mechanism of the character described, complementary/<sup>each</sup>switching devices provided with electrical contacts, one of said devices having its contacts spaced at irregular intervals with respect to each other and electrically interrelated for establishing a plurality of circuit connections; and means for independently and differentially operating said devices/<sup>whereby the contacts are caused</sup>to effect circuit connections at varying time intervals.

## REMARKS

An important object of this invention is to provide a means of selecting from a plurality of available electrical circuits a single circuit at random, which will be operative for a period of time, the length of the interval depending upon the variable factors such as introduced by the mechanism of the present invention. The claims presented at this time have been drafted with a view to defining this concept and are submitted to the end that they may be considered by the Examiner at the time this case is taken up for reconsideration in connection with the recent amendment.

Respectfully submitted,

Wm. F. Friedman and  
Frank B. Rowlett

By:

Attorneys