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## IN THE UNITED STATES PATENT OFFICE

In re Application of  
 William F. Friedman  
 Serial No. 549,086  
 Filed 11 August 1944  
 For ELECTRICAL SYSTEM

Division 70

*C*  
 Handcarried to PO  
 3 February 56

## AMENDMENT

The Honorable Commissioner of Patents  
 Washington 25, D. C.

Sir:

Responsive to an official action of 5 February 1953 in the above-identified application, please amend as follows:

## IN THE CLAIMS:

Claim 7, line 2, cancel "adapted when depressed to step" and insert - for stepping -.

line 2, after "rotor" insert - when depressed -.

Claim 11, line 1, cancel "adapted to" and insert - for -.

line 2, cancel "receive" and insert - receiving -.

line 4, cancel "adapted" and insert - for indicating -.

line 4, cancel "to indicate".

line 4, after "the" insert - enciphered-.

Claims 16 and 17. Cancel.

## REMARKS:

Applicant regrets that claims 5 - 7 were overlooked in the preceding amendment. Reconsideration is requested of the rejection of these claims on the patent to Korn No. 1705641.

The purpose of the claimed arrangement is to show the cryptographer at a glance not only the resultant of the machine (the enciphered letter) but also the input (clear text) letter. This, it is believed, will help avoid important errors in cryptographic text.

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Even with a typewriter, where the typed text is relatively visible, errors are made and not discovered until the typing is completed. When no record is made (as here), it is important that an operator have means for checking himself as encipherment progresses.

Concerning the Korn patent, the Examiner has said that an indicator is shown at 3. It is assumed that reference was being made to the alphabet carried by member 3, since 3 itself is a rotor or coding cylinder.

Applicant believes that the alphabet letters cannot be considered indicators as required by claims 5-7. These letters have no intentional relation to an energized input or output contact, or resulting character, and (after a rotor is wired) are used solely for rotor alignment purposes, that is, for establishing starting positions for the rotors. The Korn disclosure is fragmentary, but in a complete machine, a bench mark or window is provided to simplify the operation. See, for example, mark 60 of Hebern No. 1,683,072.

Referring more particularly to the claims (as related to Korn), it will be seen that no indicator (alphabet letter) is connected to any contact nor can any circuits be completed therethrough. Furthermore, the term "cryptographer rotor" is believed to be well understood in the art to consist of a cylinder having input contacts, output contacts, and complex internal wiring. The contacts, in other words, are an integral part of the rotor; the recitation of "switches" in claims 5-7 is the recitation of something additional; and the Korn elements 1a, 1b, etc., which also are rotor contacts should not be used against these additional switches.

Claims 16 and 17 have been canceled.

Favorable action is requested.

Respectfully,

WILLIAM F. FRIEDMAN, Applicant

By

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His Attorney

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