

## IN THE UNITED STATES PATENT OFFICE

In re application of  
William F. Friedman,  
Serial No. 682,096,  
Filed July 25, 1933,  
Cryptographic System

Div. 53, Room 6897

September 10, 1938.

Hon. Commissioner of Patents,

Sir:

The above entitled application stands under final rejection of Oct. 19, 1935.

Reconsideration of the final rejection of the method claims 26 - 34 is respectfully requested. In particular it is asked that claims 33 and 34 be given special consideration. These claims are directed to a method which includes the step of so controlling the displacements of the ciphering elements as to prevent direct interaction between the keying characters and the message characters for the purpose of eliminating from the final cryptogram six extra permutations representing the difference between the thirty-two permutations of a plural unit code such as the Baudot Code and the usual twenty-six characters of the alphabet or the standard equivalents of the Morse Code. Advantages for such a method are discussed in the paper dated April 3, 1934, pages 6 and 7.

Attention is called to the fact that this application has been placed under the provisions of Section 4894, Revised Statutes, as amended, U.S.C., Title 35, Section 37, and it is desired that the application be continued under the provisions of said Section for a further period of three years, bearing in mind that the three year period will expire on

October 19, 1938. Reference is made in this connection to formal notification dated July 22, 1938.

In further compliance with the requirements of Section 4894 and supplemental to the formal request for reconsideration, attention is called to the letter filed herewith over the signature of the Acting Secretary of War dated September 7, 1938.

Respectfully submitted,

William F. Friedman,

By:

Attorneys

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ASSIGNMENT

WHEREAS I, William F. Friedman, of Washington, District of Columbia, whose address is Care Office of the Chief Signal Officer, Munitions Building, Washington, D. C., have invented a certain improvement in cryptographic system, for which I have made an application for Letters Patent of the United States, Serial No. 682,096, filed July 25, 1933; and

WHEREAS, the invention was made while I was an employee of the War Department, and pertains to a device useful in the National Defense; and

WHEREAS, the Government of the United States is desirous of acquiring the entire right, title and interest in and to the said invention and in and to any patents that may issue thereon;

NOW, THEREFORE, in consideration of the premises and one (\$1.00) dollar, the receipt of which is hereby acknowledged, I, William F. Friedman, have sold, assigned, and transferred, and by these presents do hereby sell, assign and transfer unto the Government of the United States of America, as represented by the <sup>Acting</sup> Secretary of War, the entire right, title and interest, throughout the United States of America, and the territories and dependencies thereof, and not elsewhere, in and to the said invention relating to improvement in cryptographic system, as described, claimed and illustrated in the aforesaid application, Serial No. 682,096, and all Letters Patent issued thereon and any continuations, divisions, renewals, and reissues or extensions

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thereof; reserving to myself and legal representatives an irrevocable and assignable license, without payment of royalty, said license to be exclusive, except as to manufacture, use and/or sale by or for the United States Government, to make, use and/or sell and to license others to make use and/or sell the subject matter of said invention relating to improvement in cryptographic system, to the full end of the term or terms for which Letters Patent or any divisions, reissues, renewals, extensions or continuations thereof are or may be granted; the said entire right, title and interest to be held by the Government of the United States of America, as represented by the Secretary of War and his successors in office, to the full end of the term or terms for which said Letters Patent and any divisions, reissues, renewals or extensions thereof are or may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

William F. Friedman

Sworn to and subscribed by the said William F. Friedman  
 before me this 11th day of September, 1936.

[Signature]

Notary Public



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