

HEADQUARTERS  
 ARMY SECURITY AGENCY  
 WASHINGTON 25 D C

CSGAS-14

20 September 1949

MEMORANDUM FOR: CHIEF, ARMY SECURITY AGENCY

SUBJECT: Replacement of the CCM

REFERENCE: (a) AFCIAC Document 13/4 of 14 Sept 49

1. a. In connection with reference (a), it is deemed advisable to note that the ECM-SIGABA is covered by a number of patents or patent applications.

b. Certain of these patents or patent applications are owned by the Teletype Corporation. The exact number of these cases, their serial numbers, and specific nature are unknown to this Agency, as they are being handled under Navy control.

c. There are certain other patents or patent applications, covering certain subsidiary features which were invented by Navy personnel. Details of ownership are not known to this Agency.

d. The basic cryptographic principles employed in the equipment are covered by the following patent applications, still in a secrecy status under the "Three-Year Rule" (Sec. 4894, R.S., as amended) and also under Public Law No. 700 (War-time secrecy for patent applications):

<u>App. Serial No.</u>	<u>Inventors</u>	<u>Date filed</u>
682,096	Friedman	25 July 1933
70,412	Friedman & Rowlett	23 Mar 1936

In each of these two cases the U. S. Government owns the entire right, title and interest in the invention, throughout the U.S. and territories and dependencies thereof, but not elsewhere; the inventors have an irrevocable, assignable, and exclusive license to make, use and/or sell and to license others to make use and/or sell the invention. Attached hereto is a copy of the assignment in each case. (Incl. 1 and 2).

~~SECRET~~

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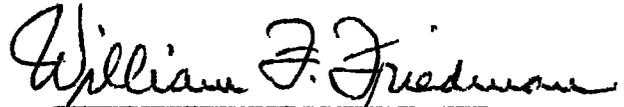
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e. It is understood that in order to obtain a release from or a modification of the secrecy order applying to a patent application held up under Public Law No. 700, unanimous concurrences therefor must be obtained from the members of the Armed Services Patent Advisory Board.

2. In connection with the general subject of the disclosure to the British of classified information concerning patents and inventions, attention is called to the U.S. - U.K. Security Agreement, a copy of which is attached hereto as Incl. 3.

3. If a decision is made to release the cryptographic principles underlying the ECM-SIGABA to the British, the undersigned desire that nothing be done which will jeopardize the possibility of their obtaining monetary compensation from the British in return for a license to make use of the inventions covered by Patent Applications Serial Nos. 682,096 and 70,412.

  
WILLIAM F. FRIEDMAN

  
FRANK B. ROWLETT

3 Incls

~~SECRET~~

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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 11<sup>th</sup> day of September, 1936

[Signature]

Notary Public

JUN 11 1936  
NOTARY

RECORDED  
Transfer of Patents  
U S Patent Office  
SEP 1 1936  
US 208  
Conway P. O.  
RECORDS & OF PATENTS

US 140

ASSIGNMENT

WHEREAS we William F Friedman of Washington District of Columbia and Frank B Rowlett of East Falls Church Arlington County Virginia whose address is Care Office of the Chief Signal Officer Munitions Building Washington D C have invented certain improvements in Cryptographs for which we have made an application for Letters Patent of the United States Serial No 70 412 filed March 23 1936 and

WHEREAS the invention was made while we were employees 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 ,

AND WHEREFORE in consideration of the moneys and one (\$1 00) dollar the receipt of which is hereby acknowledged we William F Friedman and Frank B Rowlett 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 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 Cryptographs as described claimed and illustrated in the aforesaid application Serial No 70 412 and all Letters Patent issued thereon and any continuations

Incl 2

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divisions renewals and reissues or extensions thereof reserving to ourselves 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 Cryptographs 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 us had this assignment and sale not been made

William F. Friedman

Frank B. Rowlett

Sworn to and subscribed by the said William F. Friedman  
 and Frank B. Rowlett before me this 2d day of  
 April 1936

RECORDED  
 Transfers of Patents  
 U S Patent Office

APR 14 1936

W. S. Ho  
 Commissioner of Patents

Frank B. Rowlett  
 Notary Public