REF ID:A105101

WAR DEPARTMENT Office of the Chief Signal Officer Washington 25, D. C.

In reply refer to: SIGLG-3HMS

8 September 1947

Subject: Applications of William F. Friedman, S.N. 478,868 and 478,193

To:

Chief, Army Security Agency

The Pentagon Building Washington 25, D. C.

Attention: Mr. Stauffer

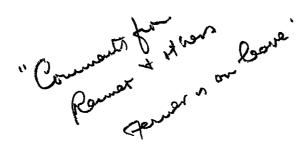
Inclosed herewith is a copy of Patent Office actions dated 22 April 1947 for each of the above-mentioned applications. The delay in forwarding these actions is regretted.

FOR THE CHIEF SIGNAL OFFICER:

/s/ Harry M. Saragovitz (ep)
HARRY M. SARAGOVITZ
Patent Counsel
Legal Division

2 Incls
Pat Off actionsre
S. N. 478,868 and
S. N. 478,193

- 1. There is no apparent objection to the downgrading of this material or its commercial exploitation
- 2 The most important problem involved in downgrading cryptographic information is the protection of systems in use or considered for use by the United States. After this, release of any cryptograph, should, it seems, be conditioned by the answers to the questions
- a. Is there involved a novel cryptographic principle, solution of which is unknown?
- b. Would problems of intercept be enhanced by the use of the cryptograph?
- 3 To the immediate problem, the answers are as follows
- a The Vernam rule is a well-known cryptographic principle. Although it is generally thought of as directly related to teletype, its application to facsimile is a logical extension
- b. Intercept of material enciphered by this device presents no greater problems than those involved in the intercept of clear facsimile $E_{\rm n}$ ciphered transmissions could, as a matter of fact, be recorded by standard facsimile equipment.



REF ID:A105101

From D-43 L Sep'45 Room 662 EML g U S PATENT OFFICE
APR 22 1947
MAII ED

Address only Commissioner of Patents and not any official by name Paper No 7
All communications respecting this application should give the serial number, date of filing, and name of the applicant

DEPARTMENT OF COMERCE United States Patent Office RICH'OND 20, VIRGINIA

Please find below a communication from the EXAMINER in charge of this application.

/s/ Casper W. Ooms, Commissioner of Patents.

Applicant Wm F Friedman et al

Ser. No 478,868

Filed March 12,1943
For SYSTEM FOR ENCIPHERING

FACS DILLE

Wm D. Hall c/o The Chief Signal Officer Munitions Bldg. Washington, D.C.

The Secrecy Order of record in this a plication has been rescanded by the General Rescanding Order dated August 30, 1945 effective November 30, 1945. 578 0 G 281

Responsive to amendment filed Oct. 14, 1946.

Additional reference made of record.

Finch 2,066,261 Dec.29,1936 178-5

The original of this application consisted of claims 1 to 5.

Claims 11 to 13 added in the emendment of

Oct. 18, 1946 have been renumbered to read claims 6 to 8

Claim 8 is rejected on the grounds of reading

directly on the Finch reference above citcd.

Claims 1 to 7 appear at present to be allowable

Examiner