

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 actions re
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 Enciphered transmissions could, as a matter of fact, be recorded by standard facsimile equipment.

*"Comments from
Ramer + others
Ferner is on base"*

From D-43 E Sep'45
Room 662

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APR 22 1947
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Paper No 7

Address only
Commissioner of Patents
and not any official by name

All communications respecting this
application should give the serial
number, date of filing, and name of
the applicant

DEPARTMENT OF COMMERCE
United States Patent Office
RICHMOND 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
FACSIMILE

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

22 Apr 47

The Secrecy Order of record in this application has been rescinded by
the General Rescinding Order dated August 30, 1945 effective November 30,
1945, 578 O 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 amendment 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 cited.

Claims 1 to 7 appear at present to be allowable

Examiner