

SIGLG-3HMS

8 September 1947

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

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:

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

HARRY M. SARAGOVITZ
Patent Counsel
Legal Division

Div 16
Address only
The Commissioner of Patents
and not any official by name

DEPARTMENT OF COMMERCE
United States Patent Office
WASHINGTON 25, D. C.

EML:g

7

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

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

CASPER W. OOMS

Commissioner of Patents

Applicant: William F. Friedman

Ser. No. 478,193

Filed March 6, 1943

For SYSTEM FOR ENCIPHERING
FACSIMILE

WILLIAM D. HALL
c/o Chief Signal Officer
Pentagon Bldg.
Washington, D.C.

22 Apr 47

Responsive to amendment filed Oct. 14, 1946.

Claim 2 is rejected on the grounds of being
indefinite in the recital of "or none" in line 7.

Claim 2, line 12, the second "said" occurring at the end
of the line should be canceled.

Claims 3, 4 are rejected for the same reasons as claim 2.

Claim 8 is rejected on the grounds of failing to
particularly point out and to distinctly claim the invention.

Claim 9 is rejected on the grounds of setting forth an
unpatentable method. The steps recited appear to be no more
than the normal function of the apparatus.

Claims 1, 5, 6, 7 appear at present to be allowable.

Examiner.

~~CONFIDENTIAL~~ 157

WDGAS-71

11 October 1946

SUBJECT: Patent Application of William F. Friedman, SN 478,193

TO: Chief Signal Officer
Director, Legal Division
Patents and Inventions Branch
4C 274, The Pentagon
Washington 25, D. C.
ATTENTION: Mr. Harry H. Saragovitz

1. Inclosed herewith, in duplicate, is a proposed amendment to the subject application.

2. The amendment is due in the Patent Office 16 October 1946.

FOR THE CHIEF, ARMY SECURITY AGENCY:

1 Incl
Amendment in dup

S. KULLBACK
Chief, Research and Development Division

Declassified by NSA/CSS

Deputy Associate Director for Policy and Records

On 20130430 by RLT

~~CONFIDENTIAL~~

I N T H E
U N I T E D S T A T E S P A T E N T O F F I C E

IN RE: Applicant
WILLIAM F. FRIEDMAN

Serial Number
478,193

Division 16

Filed
6 March 1943

Room 305

For
SYSTEM FOR ENCIPHERING
FACSIMILE

*Filed
14 Oct 46*

* * * * *

AMENDMENT

TO: The Honorable Commissioner of Patents
Washington, D. C.

Sir:

This is in response to Patent Office action of 16 October 1943
in the above identified application.

The case is being prosecuted under the three-year rule.

Please amend as indicated below.

IN THE SPECIFICATION:

Page 5, line 24 - Insert the following paragraph:

It will be understood that, whereas the foregoing description calls for the transmission of a signal when one only of the coils 14 and 15 is energized, the apparatus will function just as well and achieve just as great privacy if rearranged slightly, as by giving an opposite bias, a normal closed condition, to switch 24-25. In such case, of course, a signal will be transmitted whenever coils 14-15 are in the same condition instead of when they are in different conditions.

IN THE CLAIMS:

- Claim 1, line 4 - After camouflage cancel "element" and insert
- facsimile message - .
- line 9 - Cancel "be controlled" and insert - control a
switching element - .
- line 11- Cancel "element" and insert - facsimile
message - .
- line 13- Cancel "receiver" and insert - switch - .
- Claim 2, lines 3- Cancel "a camouflage element" and insert
and 4
- means for camouflaging a facsimile message - .
- line 5 - Cancel "element" and insert - message - .
- line 10- Cancel "be controlled" and insert - control a
switch - .
- line 11- Cancel "element" and insert - message - .
- line 14- Cancel "receiver" and insert - switch - .
- Claim 3, line 4 - Cancel "element" and insert - message - .
- line 9 - Cancel "be controlled" and insert - control
a switch - .
- line 10- Cancel "element" and insert - message - .
- line 12- Cancel "receiver" and insert - switch - .
- line 13- Cancel "receiver" and insert - switch - .
- Claim 4, lines 11- Cancel the expression "be controlled" and
and 12
insert - control a switch - .
- line 15- Cancel "receiver" and insert - switch - .
- Claim 8 - Before the period insert - by adding thereto
another facsimile transmission - .
- Claim 10 - Cancel

REMARKS

With regard to Paragraph 1 of the Patent Office action, it is admitted that it is immaterial whether signals are transmitted when both of coils 14-15 are energized and not transmitted when only one is energized or vice versa. The amendment to page 5 of the specification is directed to this matter.

Claims 1, 2, and 3 have been amended to specify that the second (enciphering) circuit of the claims is controlled by a second facsimile signal, thereby differentiating from Pierce, 1,312,574.

Claims 1, 2, 3, and 4 have also been amended to overcome the rejection for indefiniteness, all claims now including switches (rather than receivers) operated in either of two positions.

The amendment to Claim 8, pointing out that secrecy in the transmission is achieved by adding to the one signal a second facsimile transmission avoids Belin, 1,657,366, and Jenkins, 1,763,358, the first of which patents provides variable speed signals from a single picture placed upon a drum revolving erratically rather than constantly, and the second of which patents utilizes a signal based on a succession of picture elements which are substantially displaced from each other instead of in normal continuity.

Reconsideration is requested.

Respectfully,

WILLIAM F. FRIEDMAN, Applicant

By _____

His Attorney