

CSGAS-71

16 October 1947

**SUBJECT:** Application for Patent of William F. Friedman, Serial Number 478,191, Filed 6 March 1943, for System For Enciphering Facsimile, and Application for Patent of William F. Friedman and Joseph O. Mauborgne, Serial Number 478,268, Filed 12 March 1943, for System For Enciphering Facsimile

**TO:** Chief Signal Officer  
Director, Legal Division  
Patents and Inventions Council  
4C 252, The Pentagon  
Washington 25, D. C.  
**ATTENTION:** Mr. Harry M. Saragovitz

In response to Patent Office action, 22 April 1947, in each of the subject applications for patent, there is inclosed herewith, in duplicate, an amendment to each application. These amendments should be filed in the United States Patent Office on or before 22 October 1947.

**FOR THE CHIEF, ARMY SECURITY AGENCY:**

1 Incl  
2 Amendments in dupl

S. KULLBACK, Chief  
Research Laboratories Division

*Handwritten note:*  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50

## IN THE UNITED STATES PATENT OFFICE

IN RE: Application of	‡	
WILLIAM F. FRIEDMAN and	*	
JOSEPH O. MAUBORGUE	*	
Serial Number	*	
478,868	*	Division 16
Filed	*	
12 March 1943	*	
For	*	AMENDMENT
SYSTEM FOR ENGINEERING	*	
POSSIBLE	*	
* * * * *		

TO: The Honorable Commissioner of Patents  
Washington 25, D. C.

Sir:

This is in response to Patent Office action of 22 April 1947  
in the above-identified application for patent. Please amend the  
case as follows:

## IN THE CLAIMS

Claim 8, line 3 - Cancel "to be transmitted" and insert  
- before transmission - .  
- After "varying" cancel "the" and insert  
- said - .

Please add the following claim:

9. The method of obtaining a private facsimile signal which includes scanning a subject to derive an electrical signal therefrom, balancing said signal against a masking signal, controlling with the resultant signal a translating device having but two effective conditions, and transmitting a two-level signal the successive values of which depend upon the condition of said translating device.

REMARKS

The amendment to Claim 8 is believed to meet the rejection on Finch, 2,066,261, since the patentee utilizes the transmitted signal to overcome a signal provided at the receiving apparatus, whereas according to Claim 8, as amended, both controlling signals are utilized before transmission.

New Claim 9 brings out that the transmitted signal assumed but two values and that the instantaneous value depends upon the condition of the translating device.

Reconsideration and favorable action are requested.

Respectfully,

WILLIAM F. FRIEDMAN and  
JOSEPH O. MONTORQUE, Applicants

By \_\_\_\_\_