SUBJECT: Patent Application of Friedman and Neuborgne, SH 478,968

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

1. Enclosed 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:

S. RULBACH
Chief, Research and Development Division

Declassified by NSA/CSS
Deputy Associate Director for Policy and Records
On 20130430 by PDF

Declassified and approved for release by NSA on 12-04-2014 pursuant to E.O. 13526
IN THE
UNITED STATES PATENT OFFICE

IN RE: Application of
WILLIAM F. FRIEDMAN and
JOSEPH O. MAUBORGNE

Serial Number 478,868
Filed 12 March 1943

For
SYSTEM FOR ENCRYPTING
FACSIMILE

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ASSIGNMENT

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 CLAIMS:

Claim 4, line 6 - Before "the" insert - means for balancing - .
line 6 - Cancel "being balanced".
line 16- Before "the" insert - means for balancing - .
line 17- Cancel ", being balanced".

Please add the following claims.
11. In a facsimile privacy apparatus, a first device for scanning a subject, a lamp associated with said device the intensity of its illumination being varied responsive to the output of said device, a second device for scanning a subject concurrently with the first device the output of said second device acting on said lamp to vary the intensity of illumination thereof, and light sensitive means for providing a signal responsive to the illumination of said lamp.

12. In a facsimile privacy apparatus, a first device for scanning a subject, a lamp associated with said device the intensity of its illumination being varied responsive to the output of said device, a second device for scanning a subject concurrently with the first device the output of said second device acting on said lamp to vary the intensity of illumination thereof, light sensitive means for providing a signal responsive to the illumination of said lamp, another lamp and means for varying the intensity of its illumination in response to the output of said light sensitive means, another light sensitive means responsive to said other lamp, means for effectively subtracting from the output of said other light sensitive means a signal equivalent to the output of said other device, and means for graphically recording the result.

13. The method of obtaining a private facsimile signal which includes varying a translating device in response to a signal from the subject to be transmitted and concurrently varying the translating device by another signal.
Claim 4 has been amended to specify means for balancing the outputs of the amplifying circuits. The claim as amended is believed to overcome the Examiner's rejection for indefiniteness.

New Claims 11, 12, and 13 are directed to apparatus and a method for obtaining privacy in facsimile communications through a concept believed new with the applicants. Of the references cited, only Pierce, 1,312,974, embodies the addition of signals, and the "addition" of this patent consists of blocking out one of the signals. Applicants effectively add and subtract by means of bridge circuit 11-13, and apply the true sum or difference current to translating device 14.

Reconsideration is requested.

Respectfully,

WILLIAM F. FRIEDMAN and
JOSEPH O. MAURHORNE, Applicants

by Their Attorney

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