

~~CONFIDENTIAL~~

WEGAS-71

11 October 1946

SUBJECT: Patent Application of Friedman and Mumborgne, SN 478,368**TO:** Chief Signal Officer
Director, Legal Division
Patents and Inventions Branch
4C 274, The Pentagon
Washington 25, D. C.
ATTENTION: Mr. Harry M. 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 RLF

Declassified and approved for release by NSA on 12-04-2014 pursuant to E.O. 13526

~~CONFIDENTIAL~~

IN THE
UNITED STATES PATENT OFFICE

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

Serial Number * Division 16
 478,868 *
 * Room 305

Filed *
 12 March 1943 *

For *
 SYSTEM FOR ENCIPHERING *
 FACSIMILE *

* * * * *

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 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.

REMARKS

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, 1,312,574, 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. MAUBORGNE, Applicants

By _____
Their Attorney