COPY

Patent Application on Facsimile Encipherment

1 Mr. Hall, Patents Sec. Legal Div., OCSig0

(error in original)

In accordance with our telephone conversation a few days ago, I am sending you herewith a copy of the sketches, description and correspondence relative to certain systems for enciphering facsimile which were conceived and forwarded to the Patent Section a number of years ago. I hope that it is not too late to file on either of both of these systems and. in view of the fact that processing was not started soon after the recommended action of the Patents Board, I would like to suggest that these cases be given some priority if possible. I am particularly interested in the one dated January 24, 1936 because I believe it would be much more practicable than the other in connection with present facsimile systems. Incls.

Wm. F. Friedman Sig.Intel.Serv. 6-6-42

Declassified and approved for release by NSA on 07-22-2014 pursuant to E.O. 13526

CONFIDENTIAL COPY

OGSigO-354.7-Sig.C.Patent Bd.

Jamery 8, 1937.

MEMORARDUM FOR: Mr. T. F. Friedman

- 1. Reference is made to memorandum from this office dated September 1, 1936, concerning the action of the Signal Corps Patent Board on two inventions of yours and Colonel Membergne's.
- 2. This office has directed that applications for patents of the inventious referred to be filed under the provisions of Par. 5, A.R. 850-50 and that such applications be placed under the "Three Year Rule" as provided for in Section 4894 R.S., as smended by U.S.C. Title 35, Section 37.

By order of the Chief Signal Officer:

H. P. Browning. Major, Signal Corps. 18

REF ID: A362894 constitues output of Pulsalist. Pucciour ampeifica An excessive desperate of regular desperation of the second desperatio Operation of Lamp A' excording to four cases:

case 1 Signal in receiving went James in potential through A',

tro signal in comonflage irent James (-B'in when it of pour William J. Friedman & Inventors Case 2 mg and in recovery current merease in potential through A righed in comoughouse recent part of order in comoughouse recent part of bridge increased tollanborque & Duelosed tous this 25th Case 3) signal in according circuit) Equal and opposite potenials, .
Signal in camonflage security festablished through lamp A. at wash De. Gay Ochopping Case 4 (no signal in raceuray excent) no effort on camp A! Parie & dairond

message curent purt of tridge Operation of famp A according to four cas (ase 1) sugnit message circuit of Julians in the (ho signal in comorflage must) white part of ens Intrace in potential through tamp A, across C-13, in message irrelit part of bridge. Increased years lamp A, weres B-C, in anotherse-tirent rout of vidge. oursessed glow. one ugust in essage went ! -Land in complete wint iqual and opposite potentials established through lamp A. No effect on lamp A. and in issays event) no rand in mossage ercent): tamp A due to the Lat voltage. No Camouflage ransmitting