

THRU: AS-80

AS-90 AS-71 6 May 47 Applications for Patent - SN 478,193 and SN 478, 868

1. Inclosures 1 and 2 are forwarded for evaluation and return.
2. The applications are currently classified confidential. The question is whether the inventions may be declassified so that patents can issue and be exploited commercially.
3. Both disclosures relate to facsimile privacy apparatus.
  - a. Serial Number 478,193 involves the derivation of an on-off signal from a black and white message (picture) and another on-off signal from a dummy picture. The dummy message may or may not be intelligible in itself. The two signals are added by a system of relays so that, when message and dummy signals are alike (both "ons" or both "offs"), an off signal is transmitted while two unlike currents result in the transmission of an on signal. This is, in other words, according to the so-called Vernam rule. At a receiving station, the dummy message or key is subtracted.
  - b. Serial Number 478, 868 describes a system essentially like the above except that addition is accomplished by tubes instead of relays.
4. Further information about the subject applications may be obtained if necessary, from Chief, AS-72.

2 Incls

1. Pat Appn SN 478,193
2. Pat Appn SN 478,868

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2. THRU: AS-80 9 May 47  
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The Security Division has no objection to the declassification and release of these patent applications.

2 Incls  
 n/c

A. SINKOV  
 Chief, Security Division  
 Extension 241

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