

MEMORANDUM FOR: Executive Director

VIA: Associate General Counsel
Deputy Director for Operations
Deputy Director for Science and Technology

FROM: Harry E. Fitzwater
Deputy Director for Administration

SUBJECT: Review of Patent Applications
Under Secrecy Order

1. This memorandum contains a recommendation in paragraph 4 for the approval of the Executive Director.

2. The U.S. Patent Office will, at the request of a sponsoring federal agency, impose secrecy orders on patent applications that are determined to contain classified information. The secrecy order prevents a patent from being publicly issued and maintains the secrecy of the sensitive files. Secrecy orders must be renewed annually, and the "chief officer of the agency who caused the order to be issued" must provide notification that an affirmative determination has been made that the national interest continues to require the secrecy order.

25X1 3. On 4 May 1983, the Agency received a request

[redacted] to provide the required notification for renewal of the secrecy orders on 29 patent applications presently under Patent Office secrecy order. The patent applications were reviewed by the responsible components in all directorates, and recommendations have been received that 20 of the applications be declassified and released from secrecy order. These patent applications are described in Attachment A. The remaining nine applications remain classified and continue to require secrecy orders.

UNCLASSIFIED
WHEN SEPARATED
FROM ATTACHMENTS

S E C R E T

SUBJECT: Review of Patent Applications Under Secrecy Order

4. It is recommended that the attached letter (Attachment B) listing the 20 applications which we recommend declassifying, and the nine on which classification must be maintained, be approved for transmittal

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Harry E. Fitzwater

Attachments:
As Stated

CONCUR:

Associate General Counsel

Date

Deputy Director for Operations

Date

Deputy Director for Science and Technology

Date

APPROVED:

Executive Director

Date

Approved For Release 2007/10/23 : CIA-RDP93B01194R001000170010-1

SECRET

Attachment A contains the recommendations of the components directly concerned with the subject matter of the patent applications and includes the reasons for recommending declassification.

The Chief, Science and Technology Control Group, Policy and Coordination Staff coordinated for the Directorate of Operations.

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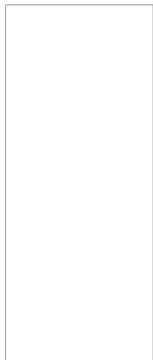
Approved For Release 2007/10/23 : CIA-RDP93B01194R001000170010-1

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The Office of Communications, Directorate of Administration,
has recommended that four of the patent applications be declassified.

Serial No.,
Filing Date,
Inventor

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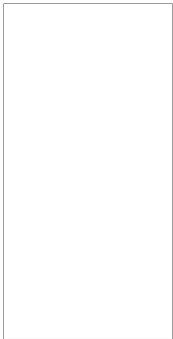
<u>Title</u>	<u>Function</u>	<u>Reasons for Declassification</u>
Cryptographic Process and Enciphered Product	Code system using photographic process	Today's high speed electronic key generators, facsimile and transmission systems, have made process obsolete.
Electronic Device Providing Automatic Permutations of a Vigenere Square	System for creating a secret code	The vigenere square and its coding functions are now public knowledge and are now done with computers.
Recognition Unit	Electronics system to detect and copy radio messages	Both the operating principals and their proposed application are now public knowledge.
Receiver Apparatus	Technique for modulating a pulse-coded communications carrier and then demodulating the signal	The modulating techniques are now public knowledge.

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The Office of Research and Development, Directorate of Science and Technology,
has recommended that three of the patent applications be declassified.

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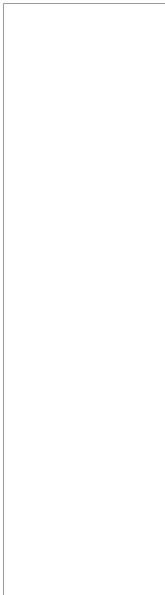
<u>Title</u>	<u>Function</u>	<u>Reasons for Declassification</u>
Optical Video or Data Tape Record & Playback Apparatus	Technical approach to optical recording	Technique is now general public knowledge.
Signal Format for Optical Tape Record/Playback System	Same as above	Same as above.
Secure Radio Communications System and Method	Technique for secure electro- magnetic communications	Technique is now general industry knowledge; not used by CIA.

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The Office of Technical Service, Directorate of Science and Technology,
has recommended that 13 of the patent applications be declassified.

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<u>Title</u>	<u>Function</u>	<u>Reasons for Declassification</u>
Hand Key Shaper	Small hand-operated milling machine	Technique obsolete and superseded by better methods.
Laser Camera System	Detection of distant movement by laser beam; also audio-surveillance	Technique no longer novel; now well-known in intelligence circles and used in industry for vibration and/or velocity measurement.
Accelerometer Type System	Same as above	Same as above.
Light-Operated Accelerometer-Type Techniques	Same as above	Same as above.
Light-Operated Information Techniques	Same as above	Same as above.
Doppler Shifting Techniques	Same as above	Same as above.

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SECRETPage 2 (OTS, continued)

<u>Title</u>	<u>Function</u>	<u>Reasons for Declassification</u>
Lubricating Oil Additive and Process	Method for disabling motors with abrasive compounds added to oil	Many well-known substances produce same effect. Nothing unusual about this mixture.
Radiation Translation Systems	Same as 399,709	Same as 399,709.
Light-Operated Measurements System	Same as above	Same as above.
Pyrotechnic Articles	Technique for producing flammable ceramic material which can be machined after casting	Now well-known in intelligence and terrorist circles, and discussed in industry literature.
Laser Camera Systems	Same as 399,709	Same as 399,709.
Light-operated Information Techniques	Same as above	Same as above.
Radiation Translation System	Same as above	Same as above.

SECRET

Central Intelligence Agency



Washington, D.C. 20505

Mr. John H. Raubitschek
 Chief, Patent, Copyrights and
 Trademarks Division
 Office of The Judge Advocate
 General
 Department of the Army
 Washington, D.C. 20310

Attention DAJA-IP

Dear Mr. Raubitschek:

In response to your letter of 4 May 1983 to Mr. Barrett of this Office, the Central Intelligence Agency has reviewed the patent applications in question and the Executive Director recommends that 20 of the subject patent applications be declassified and released from Patent Office secrecy order, provided there is no objection interposed by other Executive Branch departments or agencies with classification authority. The 20 patent applications are described as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Inventor</u>	<u>Title</u>	
8,130	16 Jan 1970		Hand Key Shaper	25X1
64,651	24 Oct 1960		Cryptographic Process and Enciphered Product	
76,752	18 Sep 1979		Optical Video or Data Tape Record & Playback Apparatus	
76,753	18 Sep 1979		Signal Format for Optical Tape/Record Playback System	
257,999	26 May 1972		Secure Radio Communications System and Method	
367,257	13 May 1964		Electronic Device Providing Automatic Permutations of a Vigenere Square	

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S E C R E T

<u>Serial No.</u>	<u>Filing Date</u>	<u>Inventor</u>	<u>Title</u>
399,709	28 Sep 1964		Laser Camera System
399,729	28 Sep 1964		Accelerometer Type System
399,730	28 Sep 1964		Light-Operated Accelerometer
408,692	03 Nov 1964		Light-Operated Information Techniques
424,854	11 Jan 1965		Doppler Shifting Techniques
573,463	18 Jan 1945		Lubricating Oil Additive and Process
602,451	12 Dec 1966		Radiation Translation Systems
612,285	09 Jan 1967		Light-Operated Measurements System
636,834	28 Jan 1957		Pyrotechnic Articles
674,059	05 Oct 1967		Laser Camera Systems
793,212	13 Feb 1959		Recognition Unit
800,027	22 Jan 1969		Light-Operated Information Techniques
819,778	11 Jun 1959		Receiver Apparatus
886,598	28 Oct 1969		Radiation Translation System (S)


Inasmuch as other departments and agencies, particularly those associated with the Armed Services Patent Advisory Board, may have an interest in maintaining the secrecy of one or more of these 20 patent files, we further recommend that inquiries be made of all departments and agencies with classification authority, including the National Security Agency, to determine if they wish to sponsor an extension of any of the subject secrecy orders. (S)

As to the other patent applications cited in your letter, the Executive Director has determined that the national interest continues to require the subject secrecy orders, and it is accordingly requested that the orders be renewed. The nine applications referred to are:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Inventor</u>
	12 May 1970	
	07 Jul 1971	
	21 May 1973	
	21 May 1973	
	30 Nov 1973	
	11 Jul 1975	
	19 Dec 1975	
	18 Jul 1969	
	08 May 1978	

Please advise me concerning the results of your inquiries and of any final decision to declassify or rescind these secrecy orders. Thank you for your cooperation and assistance in this matter. (U)

Sincerely,


Associate General Counsel

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