96TH CONGRESS
2d Session
HOUSE OF REPRESENTATIVES
REPT. 96
1307 Part I

AMENDING THE PATENT AND TRADEMARK LAWS

SEPTEMBER 9, 1980.—Ordered to be printed

Mr. KASTENMEIER, from the Committee on the Judiciary, submitted the following

REPORT

[To accompany H.R. 6933]

[Including cost estimate and comparison of the Congressional Budget Office]

The Committee on the Judiciary to whom was referred the bill (H.R. 6933) entitled: "To amend the patent and trademark laws", having considered the same, report favorably thereon with amendments and recommend that the bill as amended do pass.

The amendment to the text of the bill is a complete substitute therefor and appears in italic type in the reported bill.

The title of the bill is amended to reflect the amendment to the text of the bill.

STATEMENT

THE NEED FOR THE LEGISLATION

Many analysts of the U.S. economy have warned that the roots of the current recession lie in a longer term economic malaise which arises out of a failure of American industry to keep pace with the increased productivity of foreign competitors.[1]

According to the Committee for Economic Development, "the slowing of productivity improvement during the past few years parallels the discouraging decline in the rate of investment in plant and equipment." [2] The rate of investment as a proportion of GNP has averaged about one half the rate for France and Germany and about one third the rate for Japan. Further, the situation does not

[1] Report of the President's advisory Committee on Industrial Innovation, Sept. 1979.
[2] *Stimulating Technological Progress.* A statement by the Research and Policy Committee of the Committee for Economic Development, Jan. 1980. pp. 2–7.

mittee on the Judiciary and are embodied in H.R. 6933 and H.R. 3806.

H.R. 6933 has three major thrusts. First, it strengthens investor confidence in the certainty of patent rights by creating a system of administrative reexamination of doubtful patents. Secondly, it strengthens the financial resources of the Patent Office to provide fast and accurate processing of patent applications by revising the fee structure of the Office. Finally, the existing melange of 26 different agency policies on vesting of patent rights in government funded research is replaced by a single, uniform national policy designed to cut down on bureaucracy and encourage private industry to utilize government funded inventions through the commitment of the risk capital necessary to develop such inventions to the point of commercial application.

H.R. 3806 embodies another recommendation of the Advisory Committee and the President. It grants jurisdiction over appeals in patent cases to a single court of appeals—ending the current legal confusion created by 11 different appellate forums, all generating different interpretations of the patent law. The new court will do a great deal to improve investors' confidence in patented technology.

In addition to the three broad areas already outlined, H.R. 6933 addresses the special needs of Universities and small businesses when they attempt to deal with patent issues arising out of government contracts. Both of these groups lack the resources to cope with the bewildering regulatory and bureaucratic problems associated with transfer of patent rights pursuant to government contracts; and the university sector in particular is an important link to the private sector.

The Subcommittee on Courts, Civil Liberties and the Administration of Justice held seven days of hearings on H.R. 6933 and related patent law proposals. In all, over thirty witnesses from Government, the private Bar, industry, education, small business, and the judiciary offered testimony on the various legislative proposals before the subcommittee. Hearings were followed by four days of markup, during which H.R. 3806, creating a new Court of Appeals for the Federal Circuit, H.R. 6933, containing reforms in patent policy and procedures, and H.R. 6934, clarifying the law of copyright of computer programs, were reported favorably. Each bill was reported unanimously. The unanimous votes, particularly on H.R. 6933, were cast only after careful examination of the legislation in light of the criticisms made during the hearings and after consultation with members of the Committee on Science and Technology, which shares jurisdictional interest. During the course of markup H.R. 6933 was amended substantially to respond to criticisms raised during the hearing.

Summary of the Bill

H.R. 6933, as amended, addresses four major issues. Section 1 provides for a system of administrative reexamination of patents within the patent office. This new procedure will permit any party to petition the patent office to review the efficacy of a patent, subsequent to its issuance, on the basis of new information about preexisting technology which may have escaped review at the time of the initial examination of the patent application. Reexamination

Should the invention prove to have no commercial value, the inventor has the option of permitting the patent to lapse, thus avoiding all further fees.

Section 6 of H.R. 6933 provides for a uniform policy governing the disposition of patent rights in government funded research. This would replace the 26 different agency policies now in effect. There are two patent policies provided in this section. Non-profit research institutions and small businesses are given preferential treatment. The legislation establishes a presumption that ownership of all patent rights in government funded research will vest in any contractor who is a non-profit research institution or a small business. This portion of H.R. 6933 substantially incorporates legislation separately introduced, H.R. 2414 (S. 414), entitled the University, Small Business Patent Policy Act.

Large businesses are governed by a separate policy. They receive exclusive licenses for specific uses they intend to commercialize. As with small business and universities, here too the presumption lies with the granting of exclusive rights to the Contractor.

Critics of the bill testified that it would be impossible for a contractor to determine in good faith his ability to commercialize in a particular field of use at the time of disclosure of the invention.

As a result and for the purposes of foreign patent rights, the subcommittee approved an amendment which grants temporary title to a contractor for up to four and one half years before requiring him to specify his fields of use. This provides for more flexibility for the contractor while at the same time protecting the taxpaying public because:

1. The government, not the contractor, will obtain ownership of patent rights to contract inventions.
2. The government will permit contractors to obtain exclusive licenses but only for fields of use in which they intend to commercialize a patented invention.
3. The government has the right to deny the transfer of exclusive rights for any field of use within 90 days of the contractor's disclosure of a field or fields of use he intends to commercialize.
4. Public interest antitrust and national security standards are to be applied by the government in making such determination whether to deny an exclusive license.

From a contractor point of view, the amendment offers many of the advantages of patent ownership, including full title abroad and the right to sublicense domestically.

From an innovation point of view, the requirement that exclusive licenses be limited to specified fields of use that the contractor intends to commercialize should prevent sitting on technology, and spur innovation.

Some contractors, particularly in the defense area, will lose some rights which they presently receive through full waiver. However, the overwhelming number of contractors will receive faster, more efficient treatment under these provisions. For example, delays in acting on patent right waiver requests, which now take on the average a year and a half in agencies like the Department of Energy, will be eliminated. Contractors will know their rights with certainty within 90 days of identifying a specific field of use under a patent to a government financed invention.

termination. Further, it would permit the Commissioner to initiate reexamination without a request upon a determination that a substantial new question of patentability is raised by patents or publications discovered by him or cited under the provisions of section 301. This authority to initiate reexamination without a request is not intended to abrogate in any way the right of the United States to sue to cancel a patent obtained by fraudulent means.

This "substantial new question" requirement would protect patentees from having to respond to, or participate in unjustified reexaminations. Further, it would act to bar reconsideration of any argument already decided by the Office, whether during the original examination or an earlier reexamination.

Subsection 303(b) requires that the Commissioner's determination be recorded in the file of the patent and a copy promptly sent to the patent owner and the person requesting the reexamination.

Subsection 303(c) makes final and nonappealable a decision by the Commissioner not to conduct reexamination. In such a case, however, a portion of the reexamination fee could be returned.

No one would be deprived of any legal right by a denial by the Commissioner of a request for reexamination. A party to a reexamination proceeding could still argue in any subsequent litigation that the PTO erred and that the patent is invalid on the basis of the cited prior art.

Section 304. Reexamination order by Commissioner

Section 304 specifies the initial steps to be taken where the Commissioner determines that reexamination should be ordered. Upon issuance of a determination ordering reexamination, the patent owner would be given the opportunity to file a statement with the Office and, if he wishes, to propose an amendment to the specification or claims of his patent as well as a new claim or claims in response to the Commissioner's determination. The patent owner would be required to serve a copy of any such statement and any proposed amendment on the person requesting reexamination, who would be permitted to file a reply with the Office, with service required on the patent owner.

Section 305. Conduct of reexamination proceedings

Section 305 governs the conduct of the actual reexamination proceeding. Section 305 specifies that after the initial exchange permitted under section 304, the PTO will utilize the same procedures it uses for the initial examination of patent applications under patent law sections 132 and 133. The patent owner could propose an amendment to his patent specification or claims, as well as propose a new claim or claims, to distinguish his invention from the prior art cited under section 301. However, the bill would prohibit the Commissioner from granting during reexamination any amended or new claim that enlarges the scope of a claim of the original patent. Also, the bill would require reexamination to be promptly handled, so as to make it as helpful as possible.

Section 306. Appeal

Section 306 grants a patent owner the right to pursue the same appeal routes available to patent applicants. An adverse decision on reexamination by the primary examiner could be appealed to

fees, the cost of the patent examiners and their clerical support, as well as quality review, appeals, interferences, and patent printing including internal PTO printing costs. Also, "actual" is intended to exclude from such costs the acquisition or replacement of equipment where such acquisition or replacement involves substantial capital outlays. Such expenditures would be paid from the Patent and Trademark Office's appropriation. The cost of data and document retrieval systems, however, to the extent that these expenditures goes toward the reclassification of the patent search file, should be borne 50 percent by the public. These are the actual costs of processing patent applications, an activity which confers certain direct benefits on private persons.

The committee notes that the PTO furnishes to the public copies of issued patents for a fee. The costs to the PTO of such copies should be charged to applicants.

The trademark examiners and their clerical support, the trial and appeal process, and trademark printing should be paid for to the extent of 50 percent by applicants for the registration of trademarks.

Some of the cost of operating the PTO confers no direct benefit to the general public, but rather goes to providing services to private parties. The cost of customer services such as providing copies should be recovered 100 percent in fees. Also, in the patent process, drafting and assignments should be self-supporting.

ILLUSTRATIVE EXAMPLE OF PTO RECOVERY POLICY—BASED ON FISCAL YEAR 1981 BUDGET

I. Government 100 percent: Commissioner (includes Office of Information Services); Office of Legislation and International Affairs; Management planning; Administrative services; Automatic data processing; and Search room.

II. Government 50 percent/users 50 percent: Examination—professional staff; Quality review; Clerical force; Appeals; Interferences; Patent printing; Solicitor; Data and document retrieval; publication services; Examination of trademarks; Trademark trial and appeal; and Trademark printing.

III. Users 100 percent: Customer services; drafting; and assignment.

Section 41. Patent fees

Subsection 41(a) authorizes the Secretary of Commerce to set fees administratively for processing a patent application, for maintaining a patent in force, and for providing all other patent services and materials.

Subsection 41(b) requires the Secretary of Commerce to establish fees for processing patent applications, from filing to disposition by issuance or abandonment, equal in aggregate to 25 percent of the estimated average cost of actually processing an application. As fee revenues and costs change, the Secretary would adjust fees to achieve the specified recovery rate once every three years. These fees are those of the type now specified in paragraphs 1, 2, 3, and 6 of existing subsection 41(a) of the patent laws. The Secretary would have authority to eliminate or change the amounts of any of the present fees and establish others, so long as a fee charged directly

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Subsection 42(c) makes fee revenues credited to the PTO Appropriation Account available to the Secretary of Commerce to carry out the activities of the Patent and Trademark Office. Budgetary control is maintained since the PTO would continue to receive appropriations and the use of fee revenues would be limited "to the extent provided for in an appropriations Acts."

Subsection 42(d) authorizes the Secretary to refund any fee paid by mistake or any account paid in excess of that required. This authority is found in existing section 42.

TECHNICAL AMENDMENT

Section 4 of the bill is a technical amendment to section 154 of the patent laws necessitated by creation of the maintenance fee system.

TRADEMARK FEES

Section 5 of the bill amends existing section 31 of the Trademark Act of 1946 as amended (15 U.S.C. 1113) to modernize the trademark fee system. The present statutory fees specified in this section would be replaced by fees established by the Secretary.

Section 31. Fees

Subsection 31(a) permits the Secretary to eliminate or vary some present fees and to establish others. Fees for trademark examination and processing, as well as for products and services provided in connection with trademarks, would be required to recover 50 percent of all costs of these products and services. Fees could be changed only once every three years.

Subsection (b) permits the Commissioner to waive the payment of any fee in connection with an occasional request from another government agency, and provides that no fee shall be charged to the Indian Arts and Crafts Board to register government trademarks of genuineness and quality for Indian products or for products of particular Indian tribes and groups.

GOVERNMENT PATENT POLICY

Section 6 of the bill amends title 35 of the United States Code by adding after chapter 37 a new chapter 38, entitled the Government Patent Policy Act of 1980, to establish a uniform federal system for the commercialization and allocation of rights in inventions resulting from federally sponsored or supported research and development. Chapter 38 is divided into four subchapters which together add thirty-one new sections to title 35.

Section 381. Title

Section 381 provides for the chapter to be known as the Government Patent Policy Act of 1980.

Commercialization or marketing of products or processes embodying an invention may initially be accomplished by a contractor prior to reporting his field of use selection to the Government, which is a prerequisite to obtaining an exclusive license under section 384(b) and (c), if the contractor elects to initially commercialize or market such products or processes pursuant to the non-exclusive license provisions of section 385. Upon the contractor thereafter filing the field of use list or lists for such processes or products, such non-exclusive license shall become an exclusive license for the selected fields of use upon the expiration of the 90-day period provided in subsection (c) unless the Government notifies the contractor within such 90-day period of a contrary determination made under subsection (d).

Subsection (b) provides for the contractor to receive an exclusive license in each described field of use if it fields a United states patent application within a reasonable time. The contractor's license is subject to the Government's minumum rights under section 386 and march-in rights under section 387.

Subsection (c) profides that the contractor will automatically acquire an exclusive license for each described field of use by operation of law ninety days after providing the responsible agency with the field of use report required by subsection (a) of section 384 unless the agency earlier notifies the contractor of a contrary determination under subsection (d) of this section with respect to such field of use. In that case, the contractor would acquire an exclusive license by operation of law in all other selected fields of use, if any. The Committee believes that expedition and predictability are two essential ingredients of achieving commercialization of Government funded inventions and therefore intends that the 90-day period be a maximum time not subject to extension even by consent of the Contractor. Also for this reason, it is the Committee's intent that there be a prsumption in favor of the contractor receiving such exclusive license, and the Committee intends that contractors shall receive such exclusive licenses except in the most extraordinary of circumstances.

Subsection (d) sets forth the basis for an agency determination that a contractor will not receive an exclusive license in a selected field of use.

> The contractor will not acquire an exclusive license in any field of use if the responsible agency determines that the contractor's possession of such license: (1) would impair national security; or (2) would create or maintain a situation inconsistent with the antitrust laws.

Subsection (b) is intended to be permissive and is not intended to result in the creation of special sections or the hiring of additional personnel for its administration. An agency is not required to undertake any determination, perhaps preferring except in extraordinary cases, to await actual experience under the exclusive license to see whether circumstances then justify exercise of a march-in right reserved by section 387. Further, to reduce administrative burdens and to increase the security of the contractor in its knowledge that it will receive exclusive rights in the invention, the scope of the agency's inquiry underlying this determination is limited. The agency's review should focus on those unforseen antitrust and

ganization and to existing licensees who the contractor is obligated to license or to assure freedom from infringement liability.

Section 386. Minimum Government rights

Subsection (a) sets forth the minimum rights the Government has in every contract invention, unless waived under the authority of section 388. These minimum righs included:

(1) "The right to require from the contractor written reports on the use of the invention if patented;

(2) A royalty-free worldwide license to practice the invention or have it practiced for the Government; and

(3) The right to license or sublicense state and local governments to practice the invention or have it practiced for them, if the agency determines at the time of contracting that acquisition of this right would serve the national interest."

Subsection (b) requires that whenever the Government has rights in a contract invention, notice to that effect shall be included in each United States patent application and patent on the invention.

Sec. 387. March-in rights.

Section 387 sets forth the basis on which the responsible agency may terminate the contractor's title or exclusive rights with respect to one or more fields of use in any patent on a contract invention; may require the contractor to grant appropriate license or sublicense to responsible applicants; or, if necessary, may grant such licenses or sublicenses itself.

Subsection (a) sets forth the grounds for exercise of the Government's march-in rights:

(1) If the contractor has not taken and is not expected to take timely and effective action to achieve practical application of the invention in one or more of the fields of use selected;

(2) If necessary to protect the national security;

(3) If necessary to meet requirements for public use specified by Federal regulation;

(4) If continuation of the contractor's rights in the invention would create or maintain a situation inconsistent with the antitrust laws; or

(5) If the contractor has failed to comply with the reporting requirements of this Act with respect to such invention.

The Government may march in only in a field of use which gives rise to one or more of the situations described in the above five paragraphs. The fact that a contractor's behavior does not give rise to such a situation with respect to some fields of use will not prevent the Government from marching in in another field of use.

This section is intended to continue existing practice and the Committee intends that agencies continue to use the march-in provisions in as a restrained and judicious manner as in the past.

Subsection (b) permits the responsible agency to exercise its march-in rights either on its own initiative or in response to a petition from an interested person justifying such action. Agency failure to initiate a march-in proceeding in response to a petition is not a determination appealable to the United States Court of Customs and Patent Appeals under section 407.

agency. The Government is prohibited from publishing or releasing these reports until the earlier of one year after their receipt or the final disposition of rights under this subchapter.

Section 393. Criteria for the allocation of rights

Section 393 establishes the criteria for allocation of invention rights between the Government and its employee-inventor. Basically, the allocation depends upon the relationship of the invention to the employee's work and the use of Government resources.

Paragraph (1) provides for Government acquisition of all invention rights if the invention bears a direct relation to the duties of the employee-inventor or was made in consequence of the employee's employment.

Paragraph (2) provides that, where the invention neither bears a direct relation to the employee's duties nor was made in consequence of the employee's employment, but was made with a contribution of Federal resources, the employee may receive all rights in the invention subject to a nonexclusive royalty-free worldwide license to the Government to practice the invention or have it practiced for the Government as well as to sublicense State, local, or foreign governments if acquisition of this right would serve the national interest.

Paragraph (3) permits the Government to waive to the employee its rights under paragraph (1) of this section , subject to the Government license described in paragraph (2) of this section.

Paragraph (4) requires the Government to acquire all rights in any invention if the national security might be impaired should the employee-inventor receive rights to it, notwithstanding the provisions of paragraphs (2) or (3) of this section.

Paragraph (5) entitles an employee-inventor to all rights in an invention made by the employee not covered by paragraphs (1), (2), or (3) of this section.

Paragraph (6) permits the Government to enter into agreements allocating rights in inventions resulting from research and development to which other parties have contributed substantially, notwithstanding paragraph (1) of this section.

Section 394. Presumptions

Section 304 establishes rebuttable presumptions for the application of the criteria set forth in section 393.

Subsection (a) sets out employee duties which establish a rebuttable presumption that an invention falls within the criteria of paragraph (1) of section 393. Thus, for example, if an employee is assigned to conduct research and development work, it is presumed that the Government will have the right to title in any invention made.

Subsection (b) establishes a rebuttable presumption that an invention made by an employee whose duties fall outside those listed in paragraph (a) of this section falls within the criteria of paragraph (2) of section 393, reserving to the employee title to an employee-invention subject to certain license rights in the Government.

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or after exercise of the march-in provisions. However it does not apply to licenses established by the other sections of subchapter I.

Section 401. Exclusive or partially exclusive licenses

Section 401 sets out terms and conditions under which a Federal agency may grant an exclusive or partially exclusive license.

Subsection (a) provides that an exclusive or partially exclusive domestic license not automatically granted under section 384 may be granted only after public notice and opportunity for filing written objections and only if the responsible agency determines that such licensing is necessary to achieve practical application of the invention and that the scope of proposed exclusivity is not greater than reasonably necessary.

Subsection (b) provides that an exclusive or partially exclusive foreign license may be granted only after public notice and opportunity for filing written objections and after a determination whether the interests of the Government or of United States industry in foreign commerce will be enhanced.

Subsection (c) prohibits the granting of a license under this section if the responsible agency determines that the grant would create or maintain a situation inconsistent with the antitrust laws.

Subsection (d) requires Federal agencies to maintain publicly available, periodically updated records of their determinations to grant exclusive or partially exclusive licenses.

Section 402. Minimum Government rights

Section 402 sets forth the minimum rights the Government is to have in every exclusive or partially exclusive license. These minimum rights include:

(1) "The right to require from the licensee written reports on the use of the invention;

(2) A royalty-free, worldwide right to practice the invention or have it practiced for the Government; and

(3) The right to license State and local, to practice the invention or have it practiced for them if the agency determines that reservation of this right would serve the national interest."

Section 403. March-in rights

Section 403 sets forth the basis on which the responsible agency may terminate an exclusive or partially exclusive license.

Subsection (a) sets forth the grounds for such termination.

(1) "If the licensee has not taken and is not expected to take timely and effective action to achieve practical application of the invention in the fields of use affected;

(2) If necessary to protect national security;

(3) If necessary to meet requirements for public use specified by Federal regulation;

(4) Continuation of licensee's rights in the invention would create or maintain a situation inconsistent with the antitrust laws; or

(5) If the licensee has failed to comply with the terms of the license."

Subsection (b) permits the responsible agency to exercise its march-in rights either on its own initiative or in response to a petition from an interested person.

which the United States, any agency, and any interested person may participate.

Subsection (b) permits the United States or an adversely affected participant to appeal a subsection (a) determination to the United States Court of Customs and Patent Appeals within sixty days after it is issued. The Court of Customs and Patent Appeals is given exclusive jurisdiction to determine the matter de novo, affirming, reversing, or modifying the agency determination. The burden of proof shall rest with the agency.

Section 408. Relationship to other laws

Section 408 is intended to remove any implication that the act provides immunity from the antitrust laws.

Section 409. Authority of Federal agencies

Subsections (a), (b), (c), (d), (e), and (f) set forth the authority of Federal agencies to protect patent rights at home and abroad in—"any invention in which the Government has an interest in order to promote the use of inventions having significant commercial potential or otherwise advance the national interest"—to license federally-owned patent rights; to transfer patent rights to and accept transfers of patent rights from other agencies without regard to the property transfer procedures required by the Federal Property and Administrative Services Act of 1949 (40 U.S.C. 471); to withhold publication or release of information disclosing any invention long enough for patent applications to be filed; to promote the licensing of federally-owned patent rights; and to enter into contracts to accomplish the purpose of this section.

Section 410. Responsibilities of the Secretary of Commerce

Section 410 provides the authorities necessary for the Department of Commerce effectively to assist other Federal agencies administer the licensing of federally-owned inventions. Paragraph (a)(2) authorizes the Secretary of Commerce to coordinate a program to help agencies carry out their authorities under section 409.

Paragraph (a)(6) authorizes the Secretary to publish notices of all federally-owned patent rights available for licensing.

Paragraph (a)(3) authorizes the Secretary to evaluate inventions referred to it by Federal agencies in order to identify those inventions with the greatest commercial potential.

Paragraph (a)(5) authorizes the Secretary to develop and manage a government-wide program, with private sector participation, to stimulate transfer to the private sector of potentially valuable federally-owned technology through the dissemination of information about the technology.

Paragraph (a)(4) authorizes the Secretary to assist the Federal agencies in seeking and maintaining patent protection in any country, including the payment of fees and costs.

Paragraph (a)(1) authorizes the Secretary to consult with the Federal agencies about areas of science and technology with commercial potential.

Paragraph (a)(7) requires the Secretary, seven years after the date of enactment of the Act, to report on its operative effect to the Congress.

Subsection 8(c) provides that the authority to credit fee revenues to the Office's Appropriation Account take effect as of the first day of the first fiscal year beginning one calendar year after enactment. Thus, at least one year would be available to obtain needed administrative approval and implement an appropriate accounting system. However, until section 3 takes effect, the Secretary, in order to pay reexamination costs, may credit the Patent and Trademark Office Appropriation Account with the revenues from collected reexamination fees.

Subsection 8(d) continues existing fees until new fees are established.

Subsection 8(e) provides that maintenance fees shall not be applicable to patents applied for prior to the day of enactment of this Act.

Subsection 8(f) provides that sections 6 and 7 of this bill which establish a uniform patent policy and make necessary conforming amendments to existing laws take effect six months after enactment.

STUDY OF THE PATENT, TRADEMARK, AND COPYRIGHT SYSTEMS

Section (a) provides that, on or before July 1, 1981, the Comptroller General will report to the Congress and the President with respect to the Patent and Trademark Office, the Copyright Office, and the Copyright Royalty Tribunal with a view toward the desirability of of merging them.

COMPUTERIZATION OF THE PATENT SEARCH FILE

Subsection 10(a) requires the Commissioner of Patents and Trademarks to report to the Congress, within six months of the effective date of the Act, on computerized data and retrieval state of the art systems for all aspects of operations of the Office.

Subsection (b) requires the Commissioner to submit additional reports to the Congress every six months until such a plan is fully implemented.

CREATION OF AN INDEPENDENT PATENT OFFICE

Section 11 creates the Patent and Trademark Office as an independent agency, separate from the Department of Commerce, of which it is now a part.

COPYRIGHTABILITY OF COMPUTER PROGRAMS

Section 12 embodies the recommendations of the Commission on new Technological Uses of Copyrighted Works with respect to clarifying the law of copyright of computer software.

During the course of Committee consideration the question was raised as to whether the bill would restrict remedies for protection of computer software under state law, especially unfair competition and trade secret laws. The Committee consulted the Copyright Office for its opinion as to whether section 301 of the 1976 Copyright Act in any way pre-empted these and other forms of state law protection for computer software. On the basis of this advice and

3. Bill status: As ordered reported by the House Committee on the Judiciary on August 20, 1980.

4. Bill purpose: The bill would establish the Patent and Trademark Office (PTO) as an independent agency, removing it from the Department of Commerce (DOC). It would provide for a system of administrative reexaminations, establish a new fee structure, and create a uniform government policy regarding patent rights. H.R. 6933 would require the General Accounting Office (GAO) to report on the desirability of merging the PTO with the Copyright Office and the Copyright Royalty Tribunal. The PTO would also be required to report every six months on the progress being made towards implementation of a computerized data and retrieval system. Finally, H.R. 6933 repeals section 117 of the 1976 Copyright Act to clarify copyright laws regarding computer programs.

5. Cost estimate: The table below reflects the budget impact resulting from a change proposed by H.R. 6933 in the classification of the fees received by the PTO.

[By fiscal years, in millions of dollars]

	1981	1982	1983	1984	1985
Revenue reduction	1.8	23.2	23.8	24.3	24.8
Net spending reduction:					
Estimated authorization level	1.5	23.7	24.7	25.6	31.6
Estimated outlays	2.0	24.6	24.7	25.6	31.6
Net budget impact [1]	−0.2	−1.4	−0.9	−1.3	−6.8

[1] Negative sign indicates increased surplus or decreased deficit.

The costs of this bill fall primarily within budget subfunction 376.

6. Basis of estimate: For purposes of this estimate, it is assumed that this bill will be enacted around October 1, 1980.

Reexamination of patents

H.R. 6933 would allow any party to petition the PTO to reexamine a patent for validity. The cost of reexamination would be paid by the party based on a fee structure established by the Commissioner of Patents. It is anticipated that the number of patent applications for reexaminations will be limited by the cost involved and the potential for commercial development. Based on rates currently available in foreign countries for similar procedures, as well as estimates provided by the PTO, it is estimated that the number of appeals will be approximately 500 in fiscal year 1981, increasing to 2,000 by 1982, and remain relatively stable thereafter.

Although the bill does not specifically authorize funding for this purpose, it is assumed that additional staff will be required to handle the reexamination procedures. Based on PTO data, it is estimated that the average cost per employee, including overhead and benefits, would be approximately $40,000 in fiscal year 1981. Assuming approximately 30 hours per reexamination, plus clerical support, it is estimated that approximately 55 appeals could be reviewed annually by a professional staff member. It is estimated that the cost of this procedure would be approximately $0.4 million in fiscal year 1981, which reflects six months' activity. Costs are es-

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Government patent policy

H.R. 6933 would establish a uniform federal system for the commercialization and allocation of rights in inventions resulting from federally sponsored or supported research and development. The bill would allow contractors from small businesses and non-profit institutions to acquire title to inventions resulting from government funded research. Other contractors could receive exclusive licenses for specific uses. The bill directs the Office of Federal Procurement Policy (OFPP) to issue regulations to implement these policy changes. According to the OFPP, the cost of revising existing regulations would be minimal. It is estimated implementation of these changes in the various federal agencies, including training, would cost approximately $650,000 in fiscal year 1981. Outlays are estimated to be 90 percent the first year and 10 percent the second year.

H.R. 6933 would revise the criteria for allocation of invention rights between the federal government and employees who produce inventions. To stimulate innovation, the bill would establish an incentive cash awards program to federal employee-inventors. The award are to be paid from funds from royalities or agency appropriations; consequently, it is estimated that this provision would result in no additional cost to the government.

The bill also authorizes federal agencies to share income from licensing the government's patent rights with the employee-inventor. It is not possible at this time to estimate the extent to which royalties will be generated or shared with employee-inventors.

Establish an indepenant PTO

H.R. 6933 would create an independent PTO, which is currently an agency within DOC. Based on data provided by the PTO, it is estimated that the net additional cost of this reorganization would be approximately $130,000 in fiscal year 1981. Adjusted for inflation, it is estimated that the cost would increase to approximately $190,000 by fiscal year 1985.

GAO Study

The GAO estimates that the cost of analyzing the feasibility of merging the PTO with the Copyright Office and the Copyright Royalty Tribunal would be approximately $250,000 in fiscal year 1981.

Other

The bill would repeal section 117 of the 1976 Copyright Act, which disclaims any intent to modify the pre-existing copyright law for computer programs. This has the effect of clearly applying the 1976 law to computer programs, which is not expected to have a cost impact upon the federal government.

In addition, H.R. 6933 outlines the responsibilities of the Secretary of Commerce to assist agencies and others in promoting access to patent information. Currently these activities are being performed by the National Technical Information Service (NTIS), created in 1970. The President is requesting approximately $740,000 for these activities in fiscal year 1981, which is about the same level of funding in the current fiscal year. The bill would authorize the appropriation of such sums as may be necessary for these activities. Since current law authorizes these activities it is estimated

DISSENTING VIEWS OF HONORABLE JACK BROOKS

The major problem I have with H.R. 6933 is that it violates a basic provision of the unwritten contract between the citizens of this country and their government; namely, that what the government acquires through the expenditure of its citizens' taxes, the government owns. Assigning automatic patent rights and exclusive licenses to companies or organizations for inventions developed at government expense is a pure giveaway of rights that properly belong to the people.

The argument is made by proponents of the bill that it will spur productivity, a goal that is both necessary and desirable if the United States is to regain its position in the world economy. But that argument ignores the fact that the Federal Government is already paying half the costs of research and development in the United States at an annual cost of $30 billion. No companies or nonprofit organizations that I know of have been turning down that money because they are not now receiving automatic patent and exclusive licensing rights. So unless it is the intent of the supporters of H.R. 6933 that the government greatly increase this already enormous public investment in research and development, I fail to see how enactment of the bill will lead to increased production.

It is also argued that this legislation will increase competition in industry and thereby spur production. But again the connection is hard to establish. Under current practice, inventions, new products and technological advances developed under government contracts—unless awarded to a specific contractor under existing permissible arrangements—are available to all. That approach would seem to offer far greater potential for increased competition and productivity than handing over exclusive rights to one company. In the latter case the company might even choose to reduce production with the aim of increasing its profits.

I do not overlook or underestimate the importance of patents in developing and maintaining a thriving economy. My concern is simply the role of the government and the rights of the people in the patent process. When a private company risks its own money to develop new products and procedures it deserves and receives the profits that may result. There should not be a different standard applied when it is the government that risks the taxpayers' money. The rewards of successful research and development conducted at government expense should go to all the people.

Another provision of this bill that I strongly oppose is the removal of the Patent Office from the Department of Commerce and its establishment as an independent office. I have seen no evidence

dream. If he is successful, the government gives him highly profitable monopoly rights over the product; and, if he fails, well, he hasn't lost anything. There is simply not sufficient evidence to support the creation of another welfare fund for private business which can only serve as a disincentive for private investment.

EMPHASIS ON PROFIT RATHER THAN PUBLIC PURPOSE

The policies and objectives of government funding of research and development should be determined on the basis of what is in the best interest of the public. They should not be legislated to parallel the policies and practices followed by commercial establishments. To do this would change the direction of Federal research and development from a process of intellectual and technological innovation for the general welfare of the people to one which emphasizes the profit incentive underlying commercialization in the marketplace. When a grant or contract determination for research and development includes an automatic concession of exclusive rights to commercialize any resulting invention, technological innovation will be of concern to the contractor only to the extent it contributes to the production of a profitable product.

REIMBURSEMENT PROVISIONS INSUFFICIENT

While there are provisions in the bill for recovery of government-funded research and development costs in certain instances, the exceptions for reimbursement have a tendency to render the provisions meaningless. Section 390(c)(2) permits exemptions from reimbursement where the Federal government's contribution to the technology as licensed or utilized is insubstantial compared with private investment made or to be made. The private investment "to be made" is highly speculative at best. Any good accountant should be able to show that the government's investment is minimal compared to what the marketer "expects" to spend.

Section 390(c)(4) permits waiver of reimbursement where the government funding of the technology with the contractor is less than $1 million, a clearly arbitrary exclusion.

Section 390(c)(5) permits foregoing payment when it would place the contractor at a competitive disadvantage or would stifle commercial utilization of the technology. How repayment of research and development costs would place a contractor at a competitive disadvantage is not quite clear where an exclusive license precludes competition.

Subsection 6 permits exemption from payment when "it is otherwise in the best interest of the government and the general public." It is hard to imagine a taxpayer who, having funded the cost and borne the risk of the research and development of a product, would conclude that it is in his best interests not to be reimbursed from the proceeds accruing to the contractor.

INDEPENDENT PATENT OFFICE

The bill as amended will take the Patent Office out of the Department of Commerce, where it has been for many years. This action will require more funds and will not provide the benefits claimed.

CHANGES IN EXISTING LAW MADE BY THE BILL, AS REPORTED

In compliance with clause 3 of Rule XIII of the Rules of the House of Representatives, changes in existing law made by the bill, as reported, are shown as follows (existing law proposed to be omitted is enclosed in black brackets, new matter is printed in italics, existing law in which no change is proposed is shown in roman):

TITLE 35, UNITED STATES CODE

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PART I—PATENT AND TRADEMARK OFFICE

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CHAPTER 1—ESTABLISHMENT, OFFICERS, FUNCTIONS

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§1. Establishment

[The Patent and Trademark Office shall continue as an office in the Department of Commerce, where records, books, drawings, specifications, and other papers and things pertaining to patents and to trademark registrations shall be kept and preserved, except as otherwise provided by law.]

§1. Establishment

The Patent and Trademark Office, referred to in this chapter as the "Office," shall be an independent agency, where records, books, drawings, specifications, and other papers and things pertaining to patents and to trademark registrations shall be kept and preserved, except as otherwise provided by law.

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§3. Officers and employees

(a) There shall be in the Patent and Trademark Office a Commissioner of Patents and Trademarks, a Deputy Commissioner, two Assistant Ccommissioners, and not more than fifteen examiners-in-chief. The Deputy Commissioner, or, in the event of a vacancy in that office, the Assistant Commissioner senior in date of appointment shall fill the office of Commissioner during a vacancy in that office until the Commissioner is appointed and takes office. The Commissioner of Patents and Trademarks, the Deputy Commissioner, and the Assistant Commissioners shall be appointed by the President, by and with the advice and consent of the Senate. [The Secretary of Commerce, upon the nomination of the Commissioner, in accordance with law shall appoint all other officers and employees.] *The Commissioner shall be the Chief Officer of the Office and shall be a person knowledgeable in patent and trademark matters. The Commissioner shall be appointed for a fixed term of six years and shall be removable from office by the President for good cause. The Commissioner shall appoint all other officers and employees of the Office.*

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§ 7. Board of Appeals

The examiners-in-chief shall be persons of competent legal knowledge and scientific ability, who shall be appointed under the classified civil service. The Commissioner, the deputy commissioner, the assistant commissioners, and the examiners-in-chief shall constitute a Board of Appeals, which on written appeal of the applicant, shall review adverse decisions of examiners upon applications for patents. Each appeal shall be herd by at least three members of the Board of Appeals, the members hearing such appeal to be designated by the Commissioner. The Board of Appeals has sole power to grant rehearings.

Whenever the Commissioner considers it necessary to maintain the work of the Board of Appeals current, he may designate any patent examiner of the primary examiner grade or higher, having the requisite ability, to serve as examiner-in-chief for periods not exceeding six months each. An examiner so designated shall be qualified to act as a member of the Board of Appeals. Not more than one such primary examiner shall be a member of the Board of Appeals hearing an appeal. The [Secretary of Commerce] *Commissioner* is authorized to fix the per annum rate of basic compensation of each designated examiner-in-chief in the Patent and Trademark Office at not in excess of the maximum scheduled rate provided for positions in grade 16 of the General Schedule of the Classification Act of 1949, as amended. The per annum rate of basic compensation of each designated examiner-in-chief shall be adjusted, at the close of the period for which he was designated to act as examiner-in-chief, to the per annum rate of basic compensation which he would have been receiving at the close of such period if such designation had not been made.

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CHAPTER 3—PRACTICE BEFORE PATENT AND TRADEMARK OFFICE

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§ 31. Regulations for agents and attorneys

The Commissioner [, subject to the approval of the Secretary of Commerce,] may prescribe regulations governing the recognition and conduct of agents, attorneys, or other persons representing applicants or other parties before the Patent and Trademark Office and may require them, before being recognized as representatives of applicants or other persons, to show that they are of good moral character and reputation and are possessed of the necessary qualifications to render to applicants or other persons valuable service, advice, and assistance in the presentation or prosecution of their applications or other business before the Office.

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CHAPTER 4—PATENT FEES

Sec.
41. Patent fees.
42. Payment of patent fees; return of excess amounts.

[(b) The Commissioner may establish charges for copies of records, publications, or services furnished by the Patent and Trademark Office, not specified above.

[(c) The fees prescribed by or under this section shall apply to any other Government department or agency, or officer thereof, except that the Commissioner may waive the payment of any fee for services or materials in cases of occasional or incidental requests by a Government department or agency, or officer thereof.]

§ 41. Patent fees

(a) The Commissioner of Patents will establish fees for the processing of an application for a patent, from filing through disposition by issuance or abandonment, for maintaining a patent in force, and for providing all other services and materials related to patents. No fee will be established for maintaining a design patent in force.

(b) By the first day of the first fiscal year beginning on or after one calendar year after enactment of this Act, fees for the actual processing of an application for a patent, other than for a design patent, from filing through disposition by issuance or abandonment, will recover in aggregate 25 per centum of the estimated average cost to the Office of such processing. By the first day of the first fiscal year beginning on or after one calendar year after enactment, fees for the processing of an application for a design patent, from filing through disposition by issuance or abandonment, will recover in aggregate 50 per centum of the estimated average cost to the Office of such processing.

(c) By the fifteenth fiscal year following the date of enactment of this Act, fees for maintaining patents in force will recover 25 per centum of the estimated cost to the Office, for the year in which such maintenance fees are received, of the actual processing all applications for patents, other than for design patents, from filing through disposition by issuance or abandonment. Fees for maintaining a patent in force will be due three years and six months, seven years and six months, and eleven years and six months after the grant of the patent. Unless payment of the applicable maintenance fee is received in the Patent and Trademark Office on or before the date the fee is due or within a grace period of six months thereafter, the patent will expire as of the end of such grace period. The Commissioner may require the payment of a surcharge as a condition of accepting within such six-month grace period the late payment of an applicable maintenance fee.

(d) By the first day of the first fiscal year beginning on or after one calendar year after enactment, fees for all other services or materials related to patents will recover the estimated average cost to the Office of performing the service or furnishing the material. The yearly fee for providing a library specified in section 13 of this title with uncertified printed copies of the specifications and drawings for all patents issued in that year will be $50.

(e) The Commissioner may waive the payment of any fee for any service or material related to patents in connection with an occasional or incidental request made by a department or agency of the Government, or any officer thereof. The Commissioner may provide any applicant issued a notice under section 132 of this title with a

CHAPTER 17—SECRECY OF CERTAIN INVENTIONS AND FILING APPLICATIONS IN FOREIGN COUNTRY

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§ 181. Secrecy of certain inventions and withholding of patent

Whenever publication or disclosure by the grant of a patent on an invention in which the Government has a property interest might, in the opinion of the head of the interested Government agency, be detrimental to the national security, the Commissioner upon being so notified shall order that the invention be kept secret and shall withhold the grant of a patent therefor under the conditions set forth hereinafter.

Whenever the publication or disclosure of an invention by the granting of a patent, in which the Government does not have a property interest, might, in the opinion of the Commissioner, be detrimental to the national security, he shall make the application for patent in which such invention is disclosed available for inspection to the Atomic Energy Commission, the Secretary of Defense, and the chief officer of any other department or agency of the Government designated by the President as a defense agency of the United States.

Each individual to whom the application is disclosed shall sign a dated acknowledgment thereof, which acknowledgment shall be entered in the file of the application. If, in the opinion of the Atomic Energy Commission, the Secretary of a Defense Department, or the chief officer of another department or agency so designated, the publication or disclosure of the invention by the granting of a patent therefor would be detrimental to the national security, the Atomic Energy Commission, the Secretary of a Defense Department, or such other chief officer shall notify the Commissioner and the Commissioner shall order that the invention be kept secret and shall withhold the grant of a patent for such period as the national interest requires, and notify the applicant thereof. Upon proper showing by the head of the department or agency who caused the secrecy order to be issued that the examination of the application might jeopardize the national interest, the Commissioner shall thereupon maintain the application in a sealed condition and notify the applicant thereof. The owner of an application which has been placed under a secrecy order shall have [a right to appeal from the order to the Secretary of Commerce] *a right to appeal from the order under rules prescribed by the Commissioner* under rules prescribed by him.

An invention shall not be ordered kept secret and the grant of a patent withheld for a period of more than one year. The Commissioner shall renew the order at the end thereof, or at the end of any renewal period, for additional periods of one year upon notification by the head of the department or the chief officer of the agency who caused the order to be issued that an affirmative determination has been made that the national interest continues so to require. An order in effect, or issued, during a time when the United States is at war, shall remain in effect for the duration of hostilities and one year following cessation of hostilities. An order in effect, or issued, during a national emergency declared by the President shall remain in effect for the duration of the national

missioner will determine whether a substantial new question of patentability affecting any claim of the patent concerned is raised by the request, with or without consideration of other patents or printed publications. On his own initiative, and at any time, the Commissioner may determine whether a substantial new question of patentability is raised by patents and publications discovered by him or cited under the provisions of section 301 of this title.

(b) A record of the Commissioner's determination under subsection (a) of this section will be placed in the official file of the patent, and a copy promptly will be given or mailed to the owner of record of the patent and to the person requesting reexamination, if any.

(c) A determination by the Commissioner pursuant to subsection (a) of this section that no substantial new question of patentability has been raised will be final and nonappealable. Upon such a determination, the Commissioner may refund a portion of the reexamination fee required under section 302 of this title.

§ 304. Reexamination order by Commissioner

If, in a determination made under the provisions of subsection 303(a) of this title, the Commissioner finds that a substantial new question of patentability affecting any claim of a patent is raised, the determination will include an order for reexamination of the patent for resolution of the question. The patent owner will be given a reasonable period, not less than two months from the date a copy of the determination is given or mailed to him, within which he may file a statement on such question, including any amendment to his patent and new claim or claims he may wish to propose, for consideration in the reexamination. If the patent owner files such a statement, he promptly will serve a copy of it on the person who has requested reexamination under the provisions of section 302 of this title. Within a period of two months from the date of service, that person may file and have considered in the reexamination a reply to any statement filed by the patent owner. That person promptly will serve on the patent owner a copy of any reply filed.

§ 305. Conduct of reexamination proceedings

After the times for filing the statement and reply provided for by section 304 of this title have expired, reexamination will be conducted according to the procedures established for initial examination under the provisions of sections 132 and 133 of this title. In any reexamination proceeding under this chapter, the patent owner will be permitted to propose any amendment to his patent and a new claim or claims thereto, in order to distinguish the invention as claimed from the prior art cited under the provisions of section 301 of this title, or in response to a decision adverse to the patentability of a claim of a patent. No proposed amended or new claim enlarging the scope of a claim of the patent will be permitted in a reexamination proceeding under this chapter. All reexamination proceedings under this section, including any appeal to the Board of Appeals, will be conducted with special dispatch within the Office.

§ 306. Appeal

The patent owner involved in a reexamination proceeding under this chapter may appeal under the provisions of section 134 of this title, and may seek court review under the provisions of sections 141

SEC. 381. This chapter will be known as the "Government Patent Policy Act of 1980".

SUBCHAPTER I—CONTRACT INVENTIONS

§ 382. Contract inventions; reporting

(a) This title applies to "contract inventions", which in this Act are inventions made in the course of or under Federal contracts.

(b) Every contractor will provide the responsible agency with timely written reports on each contract invention containing:

(1) a comprehensive technical disclosure of the invention, and

(2) a list of each country, if any, in which the contractor elects to file a patent application on the invention;

The Government neither will publish nor release these reports until the contractor or the Government has had a reasonable time to file patent applications or one year has passed since receipt of the disclosure required by subsection (b)(1) of this section, whichever is earlier, the Government also will so withhold such disclosure from other reports or records.

(c) If the responsible agency determines that the contractor has unreasonably failed to file reports as required by subsection (b) of this section as to a contract invention, the contractor may be deprived of any or all the rights it otherwise would have under this subchapter pertaining to such contract invention.

§ 383. Allocation of rights—small businesses and nonprofit organizations

(a) A contractor that is a small business or a nonprofit organization will acquire title to its contract invention in each country it lists under section 382(b)(2) in which it files a patent application within a reasonable time. However, title will be subject to the Government's minimum rights under section 386 and march-in rights under section 387.

(b) The Government will have the right to acquire title to any patent on a contract invention in each country in which the contractor elects not to file a patent application or fails to file within a reasonable time.

§ 384. Allocation of rights—other contractors

(a) A contractor that is not a small business or a nonprofit organization shall provide to the responsible agency, within four and one-half years from the filing under section 382(b) of a report disclosing a contract invention, a list or lists of each field of use in which the contractor intends to commercialize the invention or otherwise

that the national interest would be affected adversely. However, title will be subject to the Government's minimum rights under section 386 and march-in rights under section 387. The Government will have the right to acquire title to any patent on a contract invention in each country in which the contractor elects not to file a patent application or fails to file within a reasonable time.

§ 385. Contractor license

Any contractor that complies with section 382(b) automatically will receive by operation of law nonexclusive, royalty-free licenses to practice the contract invention in all countries where it does not receive title under section 383 or 384 and in all fields of use in the United States in which it does not hold an exclusive license under section 384. These nonexclusive licenses may be revoked only to the extent necessary to allow the Government to grant exclusive licenses under subchapter III.

§ 386. Minimum Government rights

(a) The Government will have the following minimum rights in any contract invention:

(1) the right to require from the contractor written reports on the use of the invention, if patented,

(2) a royalty-free worldwide right or license to practice the invention or have it practiced for the Government, and

(3) the right to license or sublicense State and local governments to practice the invention or have it practiced for them, if the agency determines at the time of contracting that acquisition of this right would serve the national interest.

(b) Whenever the Government has rights in any invention under this title, each United States patent application and patent on the invention will include a statement that the invention was made with Government sponsorship or support and that the Government has rights in the patent.

§ 387. March-in rights

(a) In any field of use, the Government may wholly or partly terminate the contractor's title or exclusive rights in any patent on a contract invention; may require the contractor to grant appropriate licenses or sublicenses to responsible applicants; or, if necessary, may grant such licenses or sublicenses itself. The Government may take such actions only—

(1) if the contractor has not taken and is not expected to take timely and effective action to achieve practical application of the invention in one or more of the selected fields of use;

(2) if necessary to protect the national security;

(3) if necessary to meet requirements for public use specified by Federal regulation;

(4) if continuation of the contractor's rights in the invention would create or maintain a situation inconsistent with the antitrust laws; or

(5) if the contractor has failed to comply with the reporting requirements of this Act with respect to such invention.

(b) These march-in rights may be exercised by the responsible agency on its own initiative or on a petition from an interested person justifying such action.

(2) the Federal Government's contribution to the technology as licensed or utilized is insubstantial compared with private investment made or to be made in technology; or

(3) the contractor is a small business, educational institution, or nonprofit organization; or

(4) the total Government funding of the technology with the contractor is less than $1,000,000; or

(5) the payment would place the contractor at a competitive disadvantage or would stifle commercial utilization of the technology; or

(6) it is otherwise in the best interests of the Government and the general public.

(d) Such regulations shall be promulgated within twelve months of enactment of this section. Until they become effective, each agency shall obtain payment on behalf of the Federal Government for its research and development activities on a contract-by-contract basis in a manner consistent with the provisions of this section.

SUBCHAPTER II—INVENTIONS OF FEDERAL EMPLOYEES

§ 391. Employee inventions

This subchapter applies to "employment inventions", which in this Act are inventions made by Federal employees.

§ 392. Reporting of inventions

(a) Federal employees will file timely written reports on any inventions they make. Such reports will be made to the employee's agency and will contain complete technical information concerning the invention. The Government neither will publish nor release a report until there has been a reasonable time to file patent applications or until one year has passed since the final disposition of rights under this subchapter, whichever is earlier.

(b) If the responsible agency determines that the employee-inventor unreasonably has failed to file a report as required by subsection (a) of this section, the employee may be deprived of any or all of the rights he otherwise would have under this subchapter.

§ 393. Criteria for allocation of rights

The responsible agency will determine the rights of the Government and of Federal employee-inventors in any inventions made by employee-inventors through the use of the following criteria:

(1) If the invention bears a direct relation to the duties of the employee-inventor or was made in consequence of his employment, the Government will acquire all rights in the invention.

(2) If the invention neither bears a direct relation to the duties of the employee-inventor nor was made in consequence of his employment, but was made with a contribution from Federal funds, facilities, equipment, materials, or information not generally available to the public, or from services of other Federal employees on official duty, the employee-inventor will receive all rights in the invention, except as provided in paragraph (4) of this section. However, these rights will be subject to a nonexclusive, royalty-free, worldwide license to the Govern-

§ 397. Incentive awards program

(a) Agencies may monetarily reward and otherwise recognize employee-inventors as an incentive to promote employee inventions and the production and disclosure of employee inventions. For this purpose agencies may make awards under the Federal incentive awards system (5 U.S.C. ch. 45, 10 U.S.C. ch. 57, and implementing regulations), as modified by this section.

(b) The amount of an award for an invention will be based on—

(1) the extent to which the invention advances the state of the art;

(2) the scope of application of the invention;

(3) the value of the invention to the Government or the public; and

(4) the extent to which the invention has come into public use.

(c) Awards for an invention of up to $10,000 may be made by the head of an agency.

(d) Awards of over $10,000 but less than $35,000 may be made by the head of an agency to—

(1) civilian employees, with the approval of the Office of Personnel Management;

(2) members of the Armed Forces, with the approval of the Secretary of Defense;

(3) members of the United States Coast Guard when not operating as a service in the Navy, with the approval of the Secretary of Transportation;

(4) members of the Commissioned Corps of the United States Public Health Service, with the approval of the Secretary of Health and Human Services; and

(5) members of the Commissioned Corps of the National Oceanic and Atmospheric Administration, with the approval of the Secretary of Commerce.

(e) Awards of more than $35,000 may be made to employee-inventors by the President upon recommendation of the head of an agency.

(f) Acceptance of a cash award under this section constitutes an agreement that any Government use of an invention for which the award is made forms no basis for further claims against the Government by the recipient, his heirs, or his assigns.

(g) Any cash award or expense for honorary recognition of an employee-inventor will be paid from the fund or appropriation of the agency receiving the invention's primary benefit.

§ 398. Income sharing from patent licenses

In addition to awards as provided in section 397, an agency may share income received from any patent license with the employee-inventor.

§ 399. Regulations

(a) The Commissioner of Patents shall issue regulations to implement this title.

(b) Any determination of an appointing official under subsection 208(b) of title 18, United States Code, that relates to promotion of an employee invention by the employee-inventor will be subject to regulations prescribed by the Secretary of Commerce with concurrence of the Office of Government Ethics and the Attorney General.

(4) if the continuation of the licensee's rights in the invention would create or maintain a situation inconsistent with the antitrust laws; or

(5) if the licensee has failed to comply with the terms of the license.

(b) These march-in rights may be exercised by the responsible agency on its own initiative or on a petition from an interested person justifying such action.

§ 404. Regulations

The Office of Federal Procurement Policy will direct the issuance of regulations specifying the terms and conditions upon which federally owned patent rights may be licensed. An agency may deviate from such regulations on a class basis unless prohibited by the Office of Federal Procurement Policy.

SUBCHAPTER IV—MISCELLANEOUS

§ 405. Patent enforcement suits and right of intervention

(a) Any exclusive licensee under this chapter may enforce its exclusive rights under the licensed patent by bringing suit without joining the United States or any other exclusive licensee as a party. However, the licensee will give prompt notice of the suit, or, of any suit filed against it respecting the patent, to the Attorney General and the agency that granted the license, and all parties will serve copies of papers on the Attorney General and the responsible agency as though they were parties to the suit.

(b) When the responsible agency is informed of any suit filed by an exclusive licensee, by the Government, or by any other person respecting a patent subject to the provisions of this chapter, it promptly will give notice to all its licensees under the patent. Any exclusive licensee will be entitled to intervene as a party in such a suit in which the validity or scope of the license patent is, or is likely to be, placed in issue.

§ 406. Background rights

Nothing contained in this chapter will be construed to deprive the owner of any background patent or of rights under such a patent.

§ 407. Notice, hearing, and judicial review

(a) Agency determinations under sections 382, 387(a), and 387(c), and 403 will be made after public notice and opportunity for a hearing in which the United States, any agency, or any interested person may participate, and will include written reasons for the determination.

(b) The United States or any participant that may be adversely affected by an agency determination covered by subsection (a) of this section may appeal the determination to the United States Court of Customs and Patent Appeals within sixty days after the determination is issued. That court will have exclusive jurisdiction to determine the matter de novo and to affirm, reverse, or modify the agency determination.

(1) "Agency" means an "executive agency" of the Federal Government, as defined by section 105 of title 5, United States Code, and the military departments defined by section 102 of title 5, United States Code. "Responsible agency" means the agency which is party to a contract for the performance of research or development, has received patent rights from another agency, or has administrative jurisdiction over an employee-inventor. The Tennessee Valley Authority shall not be considered an "agency" for the purposes of this chapter; and this chapter shall not apply to its patent rights, contracts, and employees.

(2) "Antitrust laws" means the laws included within the definition of the term "Antitrust laws" in section 1 of the Clayton Act (15 U.S.C. 12), as amended.

(3) "Contract" means any Federal contract, cooperative agreement, or grant that provides for performance of research or development substantially funded by the Government. It covers any assignment, substitution of parties, or subcontract of the same type under such a contract. It does not cover Federal price or purchase supports, or Federal loans or loan guarantees.

(4) "Contractor" means any person other than an agency that is a party to a contract.

(5) "Federal employee" means any civil service employee as defined in section 2105 of title 5, United States Code, and any member of the uniformed services.

(6) "Invention" means any invention that is or may be patentable under the laws of the United States. "Contract invention" is defined by section 382. "Employee invention" is defined by section 391.

(7) "Made" when used in relation to any invention means conceived or first actually reduced to practice.

(8) "Nonprofit organization" means universities and other institutions of higher education or an organization of the type described in section 501(c)(3) of the Internal Revenue Code of 1954 (26 U.S.C. 501(c)) and exempt from taxation under section 501(a) of the Internal Revenue Code (26 U.S.C. 501(a)) or any nonprofit scientific or educational organization qualified under a State nonprofit organization statute.

(9) "Patent rights" means patents and patent licenses and sublicenses.

(10) "Practical application" means manufacture of a machine, composition, or product, or practice of a process or system, under conditions which establish that the invention is being worked and its benefits are available to the public on reasonable terms.

(11) "Small business" means a small business concern, as defined in section 2 of Public Law 85–536 (15 U.S.C. 632) and implementing regulations of the Administrator of the Small Business Administration.

(12) "State" means a State or territory of the United States, the District of Columbia, or the Commonwealth of Puerto Rico. "Local" refers to any domestic county, municipality, or other governmental entity.

(13) "Will", except as the context otherwise requires, has the same meaning as "shall".

8004(d), the Administrator may make grants to or enter into contracts (including contracts for construction) with, public, agencies and authorities or private persons.

(2) Contracts for research, development, or demonstrations or for both (including contracts for construction) shall be made in accordance with and subject to the limitations provided with respect to research contracts of the military departments in title 10, United States Code, section 2353, except that the determination, approval, and certification required thereby shall be made by the Administrator.

[(3) Any invention made or conceived in the course of, or under, any contract under this Act shall be subject to section 9 of the Federal Nonnuclear Energy Research and Development Act of 1974 to the same extent and in the same manner as inventions made or conceived in the course of contracts under such Act, except that in applying such section, the Environmental Protection Agency shall be substituted for the Energy Research and Development Administration and the words "solid waste" shall be substituted for the word "energy" where appropriate.]

(4) For carrying out the purpose of this Act the Administrator may detail personnel of the Environmental Protection Agency to agencies eligible for assistance under this section.

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FULL-SCALE DEMONSTRATION FACILITIES

SEC. 8004.(a) AUTHORITY.—

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(c) COST SHARING.—Wherever practicable, in constructing, operating, or providing financial assistance under this subtitle to a full-scale demonstration facility, the Administrator shall endeavor to enter into agreements and make other arrangements for maximum practicable cost sharing with other Federal, State, and local agencies, private persons, or any combination thereof.

(2) The Administrator shall enter into arrangements, wherever practicable and desirable, to provide monitoring of full-scale solid waste facilities (whether or not constructed or operated under this Act) for purposes of obtaining information concerning the performance, and other aspects, of such facilities. Where the Administrator provides only monitoring and evaluation instruments or personnel (or both) or funds for such instruments or personnel and provides no other financial assistance to a facility, [not withstanding section 8001(c)(3),] title to any invention made or conceived of in the course of developing, constructing, or operating such facility shall not be required to vest in the United States and patents respecting such invention shall not be required to be issued to the United States.

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Guidelines implementing this section shall be promulgated with full opportunity for public comment.

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SECTION 408 OF THE WATER RESEARCH AND DEVELOPMENT ACT OF 1978

[Sec. 408. With respect to patent policy and to the definition of title to, and licensing of inventions made or conceived in the course of, or under any contract or grant pursuant to this Act, and notwithstanding any other provision of law, the Secretary shall be governed by the provisions of sections 9 and 10 of the Federal Nonnuclear Energy, Research, and Development Act of 1974 (Public Law 93-577; 88 Stat. 1887, 1891; 42 U.S.C. 5908, 5909): *Provided however,* That subsections (l) and (n) of section 9 of such Act shall not apply to this Act: *Provided further, however,* That, subject to the patent policy of section 408, all research or development contracted for, sponsored, cosponsored, or authorized under authority of this Act, shall be provided in such manner that all information, data, and knowhow, regardless of their nature or mediums, resulting from such research and development will (with such exceptions and limitations, if any, as the Secretary may find to be necessary in the interest of national defense) be usefully available for practice by the general public consonant with the purpose of this Act.]

TITLE 17, UNITED STATES CODE

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§101. Definitions.

As used in this title, the following terms and their variant forms mean the following:

An "anonymous work" is a work on the copies or phonorecords of which no natural person is identified as author.

"Audiovisual works" are works that consist of a series of related images which are intrinsically intended to be shown by the use of machines, or devices such as projectors, viewers, or electronic equipment, together with accompanying sounds, if any, regardless of the nature of the material objects, such as films or tapes, in which the works are embodied.

The "best edition" of a work is the edition, published in the United States at any time before the date of deposit, that the Library of Congress determines to be most suitable for its purposes.

A person's "children" are that person's immediate offspring, whether legitimate or not, and any children legally adopted by that person.

A "collective work" is a work, such as a periodical issue, anthology, or encyclopedia, in which a number of contributions, constituting separate and independent works in themselves, are assembled into a collective whole.

A "compilation" is a work formed by the collection and assembling of preexisting materials or of data that are selected; coordi-

images in any sequence or to make the sounds accompanying it audible.

"Phonorecords" are material objects in which sounds, other than those accompanying a motion picture or other audiovisual work, are fixed by any method now known or later developed, and from which the sounds can be perceived, reproduced, or otherwise communicated, either directly or with the aid of a machine or device. The term "phonorecords" includes the material object in which the sounds are first fixed.

"Pictorial, graphic, and sculptural works" include two-dimensional and three-dimensional works of fine, graphic, and applied art, photographs, prints and art reproductions, maps, globes, charts, technical drawings, diagrams, and models. Such works shall include works of artistic craftsmanship insofar as their form but not their mechanical or utilitarian aspects are concerned; the design of a useful article, as defined in this section, shall be considered a pictorial, graphic, or sculptural work only if, and only to the extent that, such design incorporates pictorial, graphic, or sculptural features that can be identified separately from, and are capable of existing independently of, the utilitarian aspects of the article.

A "pseudonymous work" is a work on the copies or phonorecords of which the author is identified under a fictitious name.

"Publication" is the distribution of copies or phonorecords of a work to the public by sale or other transfer of ownership, or by rental, lease, or lending. The offering to distribute copies or phonorecords to a group of persons for purposes of further distribution, public performance, or public display, consitutes publication. A public performance or display of a work does not of itself constitute publication.

To perform or display a work "publicly" means—

(1) to perform or display it at a place open to the public or at any place where a substantial number of persons outside of a normal circle of a family and its social acquaintances is gathered; or

(2) to transmit or otherwise communicate a performance or display of the work to a place specified by clause (1) or to the public, by means of any device or process, whether the members of the public capable of receiving the performance or display receive it in the same place or in separate places and at the same time or at different times.

"Sound recordings" are works that result from the fixation of a series of musical, spoken, or other sounds, but not including the sounds accompanying a motion picture or other audiovisual work, regardless of the nature of the material objects, such as disks, tapes, or other phonorecords, in which they are embodied.

"State" includes the District of Columbia and the Commonwealth of Puerto Rico, and any territories to which this title is made applicable by an Act of Congress.

A "transfer of copyright ownership" is an assignment, mortgage, exclusive license, or any other conveyance, alienation, or hypothecation of a copyright or of any of the exclusive rights comprised in a copyright, whether or not it is limited in time or place of effect, but not including a nonexclusive license.

under the law, whether title 17 or the common law or statutes of a State, in effect on December 31, 1977, as held applicable and construed by a court in an action brought under this title.]

§ 117. Limitations on exclusive rights: Computer programs

Notwithstanding the provisions of § 106, it is not an infringement for the owner of a copy of a computer program to make or authorize the making of another copy or adaptation of that computer program provided:

(1) that such a new copy or adaptation is created as an essential step in the utilization of the computer program in conjunction with a machine and that it is used in no other manner, or

(2) that such new copy or adaptation is for archival purposes only and that all archival copies are destroyed in the event that continued possession of the computer program should cease to be rightful.

Any exact copies prepared in accordance with the provisions of this section may be leased, sold, or otherwise transferred, along with the copy from which such copies were prepared, only as part of the lease, sale, or other transfer of all rights in the program. Adaptations so prepared may be transferred only with the authorization of the copyright owner.

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SECTION 302 OF THE APPALACHIAN REGIONAL DEVELOPMENT ACT OF 1965

GRANTS FOR ADMINISTRATIVE EXPENSES OF LOCAL DEVELOPMENT DISTRICTS AND FOR RESEARCH AND DEMONSTRATION PROJECTS

SEC. 302. (a) * * *

* * * * * * *

[(e) No part of any appropriated funds may be expended pursuant to authorization given by this Act involving any scientific or technological research or development activity unless such expenditure is conditioned upon provisions effective to insure that all information, copyrights, uses, processes, patents, and other developments resulting from that activity will be made freely available to the general public. Nothing contained in this subsection shall deprive the owner of any background patent relating to any such activity, without his consent, of any right which that owner may have under that patent. Whenever any information, copyright, use, process, patent or development resulting from any such research or development activity conducted in whole or in part with appropriated funds expended under authorization of this Act is withheld or disposed of by any person, organization, or agency in contravention of the provisions of this subsection, the Attorney General shall institute, upon his own motion or upon request made by any person having knowledge of pertinent facts, an action for the enforcement of the provisions of this subsection in the district court of the United States for any judicial district in which any defendant resides, is found, or has a place of business. Such court shall have jurisdiction to hear and determine such action, and to enter there-

termines that the interests of the United States and the general public will best be served by such waiver. The Administration shall maintain a publicly available, periodically updated record of waiver determinations. In making such determinations, the Administrator shall have the following objectives:

[(1) Making the benefits of the energy research, development, and demonstration program widely available to the public in the shortest practicable time.

[(2) Promoting the commercial utilization of such inventions.

[(3) Encouraging participation by private persons in the Administration's energy research, development, and demonstration program.

[(4) Fostering competition and preventing undue market concentration or the creation or maintenance of other situations inconsistent with the antitrust laws.

[(d) In determining whether a waiver to the contractor at the time of contracting will best serve the interests of the United States and the general public, the Administrator shall specifically include as considerations—

[(1) the extent to which the participation of the contractor will expedite the attainment of the purposes of the program;

[(2) the extent to which a waiver of all or any part of such rights in any or all fields of technology is needed to secure the participation of the particular contractor;

[(3) the extent to which the contractor's commercial position may expedite utilization of the research, development, and demonstration program results;

[(4) the extent to which the Government has contributed to the field of technology to be funded under the contract;

[(5) the purpose and nature of the contract, including the intended use of the results developed thereunder;

[(6) the extent to which the contractor has made or will make substantial investment of financial resources or technology developed at the contractor's private expense which will directly benefit the work to be performed under the contract;

[(7) the extent to which the field of technology to be funded under the contract has been developed at the contractor's private expense;

[(8) the extent to which the Government intends to further develop to the point of commercial utilization the results of the contract effort;

[(9) the extent to which the contract objectives are concerned with the public health, public safety, or public welfare;

[(10) the likely effect of the waiver on competition and market concentration; and

[(11) in the case of a nonprofit educational institution, the extent to which such institution has a technology transfer capability and program, approved by the Administrator as being consistent with the applicable policies of this section.

[(e) In determining whether a waiver to the contractor or inventor of rights to an identified invention will best serve the interests of the United States and the general public, the Administrator shall specifically include as considerations paragraphs (4) through (11) of subsection (d) as applied to the invention and—

[(1) Periodic written reports at reasonable intervals, and when specifically requested by the Administration, on the commercial use that is being made or is intended to be made of the invention.

[(2) At least an irrevocable, nonexclusive, paid-up license to make, use, and sell the invention throughout the world by or on behalf of the United States (including any Government agency) and States and domestic municipal governments, unless the Administrator determines that it would not be in the public interest to acquire the license for the States and domestic municipal governments.

[(3) The right in the United States to sublicense any foreign government pursuant to any existing or future treaty or agreement if the Administrator determines it would be in the national interest to acquire this right.

[(4) The reservation in the United States of the rights to the invention in any country in which the contractor does not file an application for patent within such time as the Administration shall determine.

[(5) The right in the Administrator to require the granting of a nonexclusive, exclusive, or partially exclusive license to a responsible applicant or applicants, upon terms reasonable under the circumstances, (A) to the extent that the invention is required for public use by governmental regulations, or (B) as may be necessary to fulfill health, safety, or energy needs, or (C) for such other purposes as may be stipulated in the applicable agreement.

[(6) The right in the Administrator to terminate such waiver or license in whole or in part unless the recipient of the waiver or license demonstrates to the satisfaction of the Administrator that he has taken effective steps, or within a reasonable time thereafter is expected to take such steps, necessary to accomplish substantial utilization of the invention.

[(7) The right in the Administrator, commencing three years after the grant of a license and four years after a waiver is effective as to an invention, to require the granting of a nonexclusive or partially exclusive license to a responsible applicant or applicants, upon terms reasonable under the circumstances, and in appropriate circumstances to terminate the waiver or license in whole or in part, following a hearing upon notice thereof to the public, upon a petition by an interested person justifying such hearing—

[(A) if the Administrator determines, upon review of such material as he deems relevant, and after the recipient of the waiver or license, or other interested person, has had the opportunity to provide such relevant and material information as the Administrator may require, that such waiver or license has tended substantially to lessen competition or to result in undue concentration in any section of the country in any line of commerce to which the technology relates; or

[(B) unless the recipient of the waiver or license demonstrates to the satisfaction of the Administrator at such hearing that he has taken effective steps, or within a reasonable time thereafter is expected to take such steps, nec-

(4) For purposes of this section, patents, including any inventions for which a waiver was made by the Administrator [under section 9 of this Act], and technology resulting from the demonstration facility, shall be treated as project assets of such facility. The guarantee agreement shall include such detailed terms and conditions as the Administrator deems appropriate to protect the interests of the United States in the case of default and to have available all the patents and technology necessary for any person selected, including, but not limited to the Administrator, to complete and operate the defaulting project. Furthermore, the guarantee agreement shall contain a provision specifying that patents, technology, and other proprietary rights which are necessary for the completion or operation of the demonstration facility shall be available to the United States and its designees on equitable terms, including due consideration to the amount of the United States default payments. Inventions made or conceived in the course of or under such guarantee, title to which is vested in the United States under this Act, shall not be treated as project assets of such facility for disposal purposes under this subsection, unless the Administrator determines in writing that it is in the best interests of the United States to do so.

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[(r) Inventions made or conceived in the course of or under a guarantee authorized by the section shall be subject to the title and waiver requirements and conditions of section 9 of this Act.]

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SECTION 5 OF THE TENNESSEE VALLEY AUTHORIZATION ACT OF 1933

SEC. 5. The board is hereby authorized—

(a) * * *

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(i) To request the assistance and advice of any officer, agent, or employee of any executive department or of any independent office of the United States, to enable the Corporation the better to carry out its powers successfully, and as far as practicable shall utilize the services of such officers, agents, and employees, and the President shall, if in his opinion, the public interest, service, or economy so require, direct that such assistance, advice, and service be rendered to the Corporation, and any individual that may be by the President directed to render such assistnce, advice, and service shall be thereafter subject to the orders, rules, and regulations of the board: [*Provided,* That any invention or discovery made by virtue of and incidental to such service by an employee of the Government of the United States serving under this section, or by any employee of the Corporation, together with any patents which may be granted thereon, shall be the sole and exclusive property of the Corporation, which is hereby authorized to grant such licenses thereunder as shall be authorized by the board: *Provided further,* That the board may pay to such inventor such sum from the income from sale of licenses as it may deem proper].

* * * * * * *

[(c) Whenever the Federal contribution for any research or development activity authorized by this Act encouraging motor vehicle safety is more than minimal, the Secretary shall include in any contract, grant, or other arrangement for such research or development activity, provisions effective to insure that all information, uses, processes, patents, and other developments resulting from that activity will be made freely and fully available to the general public. Nothing herein shall be construed to deprive the owner of any background patent of any right which he may have thereunder.]

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SECTION 12 OF THE NATIONAL SCIENCE FOUNDATION ACT OF 1950

PATENT RIGHTS

SEC. 12. (a) Each contract or other arrangement executed pursuant to this Act which relates to scientific research shall contain provisions governing the disposition of inventions produced thereunder in a manner calculated to protect the public interest and the equities of the individual or organization with which the contract or other arrangement is executed:

Provided, however, That nothing in this Act shall be construed to authorize the Foundation to enter into any contractual or other arrangement inconsistent with any provision of law affecting the issuance or use of patents.

[(b) No officer or employee of the Foundation shall acquire, retain, or transfer any rights, under the patent laws of the United States or otherwise, in any invention which he may make or produce in connection with performing his assigned activities and which is directly related to the subject matter thereof: *Provided, however,* That this subsection shall not be construed to prevent any officer or employee of the Foundation from executing any application for patent on any such invention for the purpose of assigning the same to the Government or its nominee in accordance with such rules and regulations as the Director may establish.]

SECTION 152 OF THE ATOMIC ENERGY ACT OF 1954

[SEC. 152. INVENTIONS MADE OR CONCEIVED DURING COMMISSION CONTRACTS.—Any invention or discovery, useful in the production or utilization of special nuclear material or atomic energy, made or conceived in the course of or under any contract, subcontract, or arrangement entered into with or for the benefit of the Commission, regardless of whether the contract, subcontract, or arrangement involved the expenditure of funds by the Commission, shall be vested in, and be the property of, the Commission, except that the Commission may waive its claim to any such invention or discovery under such circumstances as the Commission may deem appropriate, consistent with the policy of this section. No patent for any invention or discovery, useful in the production or utilization of special nuclear material or atomic energy, shall be issued unless the applicant files with the application, or within thirty days after

SECTION 31 OF THE TRADEMARK ACT OF 1946

[Sec. 31. Fees and charges

[(a) The following fees shall be paid to the Patent and Trademark Office under this Act:

[1. On filing each original application for registration of a mark in each class, $35.

[2. On filing each application for renewal in each class, $25; and on filing each application for renewal in each class after expiration of the registration, an additional fee of $5.

[3. On filing an affidavit under section 8(a) or section 8(b) for each class, $10.

[4. On filing each petition for the revival of an abandoned application, $15.

[5. On filing opposition or application for cancellation for each class, $25.

[6. On appeal from the examiner in charge of the registration of marks to the Trademark Trial and Appeal Board for each class, $25.

[7. For issuance of a new certificate of registration following change of ownership of a mark or correction of a registrant's mistake, $15.

[8. For certificate of correction of registrant's mistake or amendment after registration, $15.

[9. For certifying in any case, $1.

[10. For filing each disclaimer after registration, $15.

[11. For printed copy of registered mark, 20 cents.

[12. For recording every assignment, agreement, or other paper relating to the property in a registration or application, $20; where the document relates to more than one application or registration, $3 for each additional item.

[13. On filing notice of claim of benefits of this Act for a mark to be published under section 12(c) hereof, $10.

[(b) The Commissioner may establish charges for copies of records, publications, or services furnished by the Patent and Trademark Office, not specified above.

[(c) The Commissioner may refund any sum paid by mistake or in excess.]

§31. Fees

(a) The Commissioner of Patents will establish fees for the filing and processing of an application for the registration of a trademark or other mark and for all other services performed by and materials furnished by the Patent and Trademark Office related to trademarks and other marks. Fees will be set and adjusted by the Commissioner to recover in aggregate 50 per centum of the estimated average cost to the office of such processing. Fees for all other services or materials related to trademarks and other marks will recover the estimated average cost to the office of performing the service or furnishing the material. However, no fee for the filing or processing of an application for the registration of a trademark or other mark or for the renewal or assignment of a trademark or other mark will be adjusted more than once every 3 years. No fee established under this section will take effect prior to sixty days following notice in the Federal Register.

as practicable at laboratories of the Department of Agriculture. Projects conducted under contract with public and private agencies shall be supplemental to and coordinated with research of these laboratories. [Any contracts made pursuant to this authority shall contain requirements making the results of research and investigations available to the public through dedication, assignment to the Government, or such other means as the Secretary shall determine.]

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SECTION 205 OF THE AGRICULTURAL MARKETING ACT OF 1946

SEC. 205. (a) In carrying out the provisions of title II of this Act, the Secretary of Agriculture may cooperate with other branches of the Government, State agencies, private research organizations, purchasing and consuming organizations, boards of trade, chambers of commerce, other associations of business or trade organizations, transportation and storage agencies and organizations, or other persons or corporations engaged in the production, transportation, storing, processing, marketing, and distribution of agricultural products whether operating in one or more jurisdictions. The Secretary of Agriculture shall have authority to enter into contracts and agreements under the terms of regulations promulgated by him with States and agencies of States, private firms, institutions, and individuals for the purpose of conducting research and service work, making and compiling reports and surveys, and carrying out other functions relating thereto when in his judgment the services or functions to be performed will be carried out more effectively, more rapidly, or at less cost than if performed by the Department of Agriculture. Contracts hereunder may be made for work to be performed within a period not more than four years from the date of any such contract, and advance, progress, or other payments may be made. The provisions of section 3648 (31 U. S. C., sec. 529) and section 3709 (41 U. S. C., sec. 5) of the Revised Statutes shall not be applicable to contracts or agreements made under the authority of this section. Any unexpended balances of appropriations obligated by contracts as authorized by this section may, notwithstanding the provisions of section 5 of the Act of June 20, 1874, as amended (31 U. S. C., sec. 713), remain upon the books of the Treasury for not more than five fiscal years before being carried to the surplus fund and covered into the Treasury. [Any contract made pursuant to this section shall contain requirements making the result of such research and investigations available to the public by such means as the Secretary of Agriculture shall determine.]

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and (B) to the extent the Administrator deems such action necessary to recruit specially qualified scientific and enginnering talent, he may establish the entrance grade for scientific and engineering personnel without previous service in the Federal Government at a level up to two grades higher than the grade provided for such personnel under the General Schedule established by the Classification Act of 1949, and fix their compensation accordingly;

(3) to acquire (by purchase, lease, condemnation, or otherwise), construct, improve, repair, operate, and maintain laboratories, research and testing sites and facilities, aeronatuical and space vehicles, quarters and related accommodations for employees and dependents of employees of the Administration, and such other real and personal property (including patents), or any interest therein, as the Administration deems necessary within and outside the continental United States; to acquire by lease or otherwise, through the Administrator of General Services, buildings or parts of buildings in the District of Columbia for the use of the Administration for a period not to exceed ten years without regard to the Act of March 3, 1877 (40 U.S.C. 34); to lease to others such real and personal property; to sell and otherwise dispose of real and personal property [(including patents and rights thereunder)] in accordance with the provisions of the Federal Property and Administrative Services Act of 1949, as amended (40 U.S.C. 471 et seq.); and to provide by contract or otherwise for cafeterias and other necessary facilities for the welfare of employees of the Administration at its installations and purchase and maintain equipment therefor;

(4) to accept unconditional gifts or donations of services, money, or property, real, personal, or mixed, tangible or intangible;

(5) without regard to section 3648 of the Revised Statutes, as amended (31 U.S.C. 529), to enter into and perform such contracts, leases, cooperative agreements, or other transactions as may be necessary in the conduct of its work and on such terms as it may deem appropriate, with any agency or instrumentality of the United States, or with any State, Territory, or possession, or with any political subdivision thereof, or with any person, firm, association, corporation, or educational institution. To the maximum extent practicable and consistent with the accomplishment of the purpose of this Act, such contracts, leases, agreements, and other transactions shall be allocated by the Administrator in a manner which will enable small-business concerns to participate equitably and proportionately in the conduct of the work of the Administration;

(6) to use, with their consent, the services, equipment, personnel, and facilities of Federal and other agencies with or without reimbursement, and on a similar basis to cooperate with other public and private agencies and instrumentalities in the use of services, equipment, and facilities. Each department and agency of the Federal Government shall cooperate fully with the Administration in making its services, equipment, personnel, and facilities available to the Administration, and any such department or agency is authorized, notwithstanding any other provision of law, to transfer to or to receive from the

sion and may not be taken for public use without just compensation;

(12) with the approval of the President, to enter into cooperative agreements under which members of the Army, Navy, Air Force, and Marine Corps may be detailed by the appropriate Secretary for services in the performance of functions under this Act to the same extent as that to which they might be lawfully assigned in the Department of Defense;

(13) (A) to consider, ascertain, adjust, determine, settle, and pay, on behalf of the United States, in full satisfaction thereof, any claim for $25,000 or less against the United States for bodily injury, death, or damage to or loss of real or personal property resulting from the conduct of the Administration's functions as specified in subsection (a) of this section, where such claim is presented to the Administration in writing within two years after the accident or incident out of which the claim arises; and

(B) if the Administration considers that a claim in excess of $5,000 is meritorious and would otherwise be covered by this paragraph, to report the facts and circumstances thereof to the Congress for its consideration; and

(14) to provide effective contractual provisions for reporting the results of the activities of the Administration, including full and complete technical reporting of any innovation made in the course of or under any contract of the Administration.

(d) For the purposes of chapter 17 of title 35 of the United States Code the Administration shall be considered a defense agency of the United States.

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TITLE III—MISCELLANEOUS

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[PROPERTY RIGHTS IN INVENTIONS

[SEC. 305. (a) Whenever any invention is made in the performance of any work under any contract of the Administration, and the Administrator determines that—

[(1) the person who made the invention was employed or assigned to perform research, development, or exploration work and the invention is related to the work he was employed or assigned to perform, or that it was within the scope of his employment duties, whether or not it was made during working hours, or with a contribution by the Government of the use of Government facilities, equipment, materials, allocated funds, information proprietary to the Government, or services of Government employees during working hours; or

[(2) the person who made the invention was not employed or assigned to perform research, development, or exploration work, but the invention is nevertheless related to the contract, or to the work or duties he was employed or assigned to perform, and was made during working hours, or with a contribution from the Government of the sort referred to in clause (1),

Interferences on the question whether any such false representation was contained in such statement. Such question shall be heard and determined, and determination thereof shall be subject to review, in the manner prescribed by subsection (d) for questions arising thereunder. No request made by the Administrator under this subsection for the transfer of title to any patent, and no prosecution for the violation of any criminal statute, shall be barred by any failure of the Administrator to make a request under subsection (d) for the issuance of such patent to him, or by any notice previously given by the Administrator stating that he had no objection to the issuance of such patent to the applicant therefor.

[(f) Under such regulations in conformity with this subsection as the Administrator shall prescribe, he may waive all or any part of the rights of the United States under this section with respect to any invention or class of inventions made or which may be made by any person or class of persons in the performance of any work required by any contract of the Administration if the Administrator determines that the interests of the United States will be served thereby. Any such waiver may be made upon such terms and under such conditions as the Administrator shall determine to be required for the protection of the interests of the United States. Each such waiver made with respect to any invention shall be subject to the reservation by the Administrator of an irrevocable, nonexclusive, nontransferrable, royalty-free license for the practice of such invention throughout the world by or on behalf of the United States or any foreign government pursuant to any treaty or agreement with the United States. Each proposal for any waiver under this subsection shall be referred to an Inventions and Contributions Board which shall be established by the Administrator within the Administration. Such Board shall accord to each interested party an opportunity for hearing, and shall transmit to the Administrator its findings of fact with respect to such proposal and its recommendations for action to be taken with respect thereto.

[(g) The Administrator shall determine, and promulgate regulations specifying the terms and conditions upon which licenses will be granted by the Administration for the practice by any person (other than an agency of the United States) of any invention for which the Administrator holds a patent on behalf of the United States.

[(h) The Administrator is authorized to take all suitable and necessary steps to protect any invention or discovery to which he has title, and to require that contractors or persons who retain title to inventions or discoveries under this section protect the inventions or discoveries to which the Administration has or may acquire a license of use.

[(i) The Administration shall be considered a defense agency of the United States for the purpose of chapter 17 of title 35 of the United States Code.

[(j) As used in this section—

[(1) the term "person" means any individual, partnership, corporation, association, institution, or other entity;

[(2) the term "contract" means any actual or proposed contract, agreement, understanding, or othre arrangement, and includes any assignment, substitution of parties, or subcontract executed or entered into thereunder; and

SECTION 4 OF THE HELIUM ACT AMENDMENTS OF 1960

SEC. 4. The Secretary is authorized to maintain and operate helium production and purification plants together with facilities and accessories thereto; to acquire, store, transport, sell, and conserve helium, helium-bearing natural gas, and helium-gas mixtures, to conduct exploration for and production of helium on and from the lands acquired, leased, or reserved; and to conduct or contract with public or private parties for experimentation and research to discover helium supplies and to improve processes and methods of helium production, purification, transportation, liquefaction, storage, and utilization: [*Provided, however,* That all research contracted for, sponsored, cosponsored, or authorized under authority of this Act shall be provided for in such a manner that all information, uses, products, processes, patents and other developments resulting from such research developed by Government expenditure will (with such exceptions and limitations, if any, as the Secretary may find to be necessary in the interest of national defense) be available to the general public: *And provided further,* That nothing contained herein shall be construed as to deprive the owner of any background patent relating thereto to such rights as he may have thereunder]

SECTION 32 OF THE ARMS CONTROL AND DISARMAMENT ACT

[PATENTS

[SEC. 32. All research within the United States contracted for, sponsored, cosponsored, or authorized under authority of this Act, shall be provided for in such manner that all information as to uses, products, processes, patents, and other developments resulting from such research developed by Government expenditure will (with such exceptions and limitations, if any, as the Director may find to be necessary in the public interest) be available to the general public. This subsection shall not be so construed as to deprive the owner of any background patent relating thereto of such rights as he may have thereunder.]

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