

Dated: January 30, 1998.
Brian O'Neill,
General Superintendent.
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INTERNATIONAL TRADE COMMISSION

[Investigation 332-390]

Advice Concerning the Proposed Expansion of the Information Technology Agreement

AGENCY: United States International Trade Commission.

ACTION: Institution of investigation and scheduling of public hearing.

EFFECTIVE DATE: February 3, 1998.

SUMMARY: Following receipt of a request on January 16, 1998, from the Office of the U.S. Trade Representative (USTR), the Commission instituted investigation No. 332-390, Advice Concerning the Proposed Expansion of the Information Technology Agreement, under section 332(g) of the Tariff Act of 1930 (19 U.S.C. 1332(g)).

FOR FURTHER INFORMATION CONTACT:

Industry-specific information may be obtained from Sylvia McDonough (202-205-3393) or Danielle Kriz (202-205-3442), Office of Industries, U.S. International Trade Commission, Washington, DC 20436. For information on the legal aspects of this investigation contact Mr. William Gearhart of the Office of the General Counsel (202-205-3091). The media should contact Margaret O'Laughlin, Office of External Relations (202-205-1819). Hearing impaired individuals are advised that information on this matter can be obtained by contacting the TDD terminal on (202-205-1810).

Background

The USTR's letter requesting the investigation was received on January 16, 1998. The study, to be delivered in two phases, concerns the proposed modification of duties on certain information technology (IT) products which were listed in an attachment (see

Annex below) to the USTR's letter. In the first phase of its report, the Commission will, as requested by the USTR, provide detailed descriptions of the products on the list, the uses of these products relative to IT industries and consumers as well as to non-IT industries and consumers, and the major producing countries, U.S. export markets, and sources of U.S. imports. In reviewing the products, the Commission will identify those products that are viewed as import sensitive by U.S. industry or other sources as well as any similar products that could reasonably be expected to be included in the product groupings but are not. The Commission expects to provide this information and advice to USTR by March 27, 1998. In the second phase of its report, the Commission will, as requested by the USTR, to the extent possible, analyze briefly current tariff and nontariff trade barriers, if any; patterns of U.S. imports and U.S. exports; and increased opportunities resulting from proposed tariff modifications. The Commission expects to provide this information and advice not later than May 1, 1998.

Public Hearing

A public hearing in connection with the investigation will be held at the U.S. International Trade Commission Building, 500 E Street, SW, Washington, DC, beginning at 9:30 a.m. on March 19, 1998. All persons will have the right to appear, by counsel or in person, to present information and to be heard. Requests to appear at the public hearing should be filed with the Secretary, United States International Trade Commission, 500 E Street SW, Washington, DC 20436, no later than 5:15 p.m., March 9, 1998. Any prehearing briefs (original and 14 copies) should be filed not later than 5:15 p.m., March 13, 1998; the deadline for filing post-hearing briefs or statements is 5:15 p.m., March 24, 1998. In the event that, as of the close of business on March 9, 1998, no witnesses are scheduled to appear at the hearing, the hearing will be canceled. Any person interested in attending the hearing as an observer or non-

participant may call the Secretary of the Commission (202-205-1816) after March 10, 1998 to determine whether the hearing will be held.

Written Submissions

In lieu of or in addition to participating in the hearing, interested parties are invited to submit written statements (an original and 14 copies) concerning the matters to be addressed by the Commission in its report. Commercial or financial information that a submitter desires the Commission to treat as confidential must be submitted on separate sheets of paper, each clearly marked "Confidential Business Information" at the top. All submissions requesting confidential treatment must conform with the requirements of section § 201.6 of the Commission's *Rules of Practice and Procedure* (19 C.F.R. 201.6). Persons submitting confidential business information should be aware that the Commission may make such information available to USTR. All written submissions, except for confidential business information, will be made available in the Office of the Secretary of the Commission for inspection by interested parties. To be assured of consideration by the Commission, written statements relating to the Commission's report should be submitted to the Commission at the earliest practical date and should be received no later than the close of business on March 24, 1998. All submissions should be addressed to the Secretary, United States International Trade Commission, 500 E Street, SW, Washington, DC 20436. Persons with mobility impairments who will need special assistance in gaining access to the Commission should contact the Office of the Secretary at 202-205-2000. General information concerning the Commission may also be obtained by accessing its Internet server (<http://www.usitc.gov> or <ftp://ftp.usitc.gov>).

By order of the Commission.

Issued: February 4, 1998.

Donna R. Koehnke,
Secretary.

ANNEX: USTR'S LIST OF POTENTIAL PRODUCTS FOR THE ITA-II PROCESS

Product	Indicative HS heading
Minerals used by the capacitor and resistor industries, including but not limited to: Powders—Tantalum	261590x
Chemicals used by the medical imaging technology industry, including but not limited to: X-ray photographic flat plates and film in the flat, sensitized, unexposed or of any material other than paper, paperboard or textiles.	370110
X-ray photographic film in rolls, sensitized, unexposed or of any material other than paper, paperboard or textiles.	370210
Photographic paper, paperboard and textiles; sensitized unexposed	3703

ANNEX: USTR'S LIST OF POTENTIAL PRODUCTS FOR THE ITA-II PROCESS—Continued

Product	Indicative HS heading
Chem preparations for photographic uses (other than varnishes, glues, adhesives and similar preparations).	3707x
Chemicals used by the capacitor and resistor industries, including not limited to:	
Silicone oil	2710x
Other iron oxides and hydroxides	2821100050
Powers—Tantalum	282590x
Ceramic powder	28419050x
Dielectric Conductors-Silver Compounds	2843x
Powders-Tantalum	28499050x
Ammonium adipate	291712x
Color paste (TOSCA required)	320649x
Hardener	3211x
Black marking ink, including printing ink (TOSCA required) and other marking ink	3215x
Softener detergent (TOSCA required)	340290x
Casein glue	35019020
Solder plaste (TOSCA required)	381010x
Flux	381010x
Thinner (TOSCA required)	3814x
BYK chemic A501 Degresor (TOSCA required)	3823x
Chemicals used by the semiconductor and/or printed circuit board industries:	
Arsenic	280480
Phosphorous oxychloride	2827x
Hexamethyldisilazane/Tetraethylorthosilicate	2931009010x
Hold Plugging and Legend Inks	32159050x
Photomasks (Blank) and photomasks	37019930x
Solder Mask	370295x
Conformal Coatings	370295x
Dry film photoresist	370295x
Photomasks	370590x
Liquid photoresist; developer	370790x
Solder Paste	381010x
Solder Paste Flux	3810x
Other chemical products used in the production of information technology products:	
Motion picture film, exposed and developed, whether or not incorporating sound track or consisting only of sound track of a width of 35 mm or more.	370610
Plastics and rubber articles used by the capacitor and resistor industries, including but not limited to:	
Epoxy resin (TOSCA required)	390730
PCV rolls	39211250x
PCV tubes	391732x
Tape	391910x
Adhesive tape	3919x
Non-Metallized Polypropylene Film	392020x
Non-Metallized Polycarbonate Flim	392061x
Non-Metallized Polyethylene Naphthalate/Terephthalate	392062
Of other polyesters (including metallized Teflon of other polyester)	392069
Non-Metallized Film	392099x
Non-metallized teflon	392099x
Tubing (pet)	3920x
Polyester or polycarbonate foil	3921904090x
PVC bottles	3923300090x
Plastic balls (red or yellow)	3923x
Plastic cans	392390x
Packing material	392390x
Plastic production rolls	39269098x
Gaskets, including rubber O-rings/pads	401693x
Vent plugs, rubber rollers	401699x
Plastics and rubber articles used by the semiconductor and/or printed circuit board industries:	
Mold Compounds for Semiconductors Encapsulation/Epoxy Resins	39073x
Polyimide	3908x
Epoxy Coverlay	39199050x
B-Stage or Bonding Plys	392190x
Unreinforced Laminates	39219050x
Semiconductor Shipping Tubes, Packing Foam, and Tape and Reel Strip Packs	392390
Plastic and rubber articles used by information firms:	
Metallized Films	39209920x
Carrying Trays for IC+s	392310x
Paper products used by the capacitor and resistor industries, including but not limited to:	
Condenser paper; unbleached, weighing over 15gm/m2 but not over 30gm/m2	48043110
Other condenser paper; unbleached, weighing under 15gm/m2 but not over 30gm/m2	48043120
Other condenser paper	48043920
Wrapping paper	4804490x

ANNEX: USTR'S LIST OF POTENTIAL PRODUCTS FOR THE ITA-II PROCESS—Continued

Product	Indicative HS heading
Condenser paper weighing 150 gm/m2 or less	48056020
Folding cartons, boxes and cases, of noncorrugated paper or paperboard, other	4819200040
Carrier tape-paper/pressure sensitive	482311x
Carrier tape, other (not pressure sensitive)	482319x
Aluminum Foil/Plain Silver <0.01 mm	482390x
Non-metallized paper/other	482390x
Metallized paper	482390x
Glass materials used by the semiconductor and/or printed circuit board industry including but not limited to:	
Rod of Fused Quartz or Other Silica	70022010
Tube of Fused Quartz or Other Silica	70023100
Synthetic Quartz Substrate/Glass substrates used in the production of photomasks	70060040x
LensBlank, Silicon Dioxide	70140010x
Other optical Elements, silicon dioxide	70140020x
Mass Lamination Panels	70169050x
Glassware of Fused Quartz	701710x
Raw Glass Substrates	7020x
Glass materials used by the capacitor and resistor industries, including but not limited to:	
Parts for Cones, glass envelope	701120x
Metals or articles of metals used by the capacitor and resistor industries, including but not limited to:	
Gold Bonding Wire	71081370x
Silver	711590x
Silver wire	71159040x
Sputtering targets	730620x
Pins	73170065x
Other bolt and screws	73181560x
Other articles of iron or steel—other	732690
Copper wire	7408
Copper plates	7409x
Round brass	7419995050x
Aluminum wire (tab)	76061160x
Etched capacitor foil	76071910
Aluminum rivets, inserts, washers, screws	761610x
Other aluminum articles, nspf	7616995090
Lead Wire	7806x
Tin wire	80030x
Powders tantalum	810310x
Tantalum wire	810390x
Steel cutters	8203x
Screw wrenches	8204x
Drill bits	820719x
Centering arm set	82074060x
Knives	8208x
Clamps, brackets	8302496085x
Solder	8311x
Metals or articles of metals used by information technology firms, including but not limited to:	
Wire of iron or non-alloy steel: plated or coated with zinc: round wire: with a diameter <1.0 mm, containing by weight <0.25% of carbon.	7217204510
Copper Clad Laminates "Unreinforced Laminates"	74102130x
Aluminum Foil rolled but not further worked, of thickness not exceeding 0.01mm	76071130
Aluminum foil, rolled but not further worked, of thickness exceeding 0.01mm	76071160
Unfinished harddisks for ADP mach.	7616x
Zinc Wire	7904x
Tin foil <0.2mm	80050010
Bill acceptors, safety deposit box applications	8303x
Printed Circuit/Wiring Board Manufacturing, Assembly and Testing Equipment including but not limited to:	
Carbide and twist drill bits for PCB/PWB fabrication	8207.50x
Carbide router bits for PCB/PWB fabrication	8207.70x
Apparatus for the regeneration of etchant solutions	8421.29x, 8479.82x, 8479.79x
Parts of apparatus for the regeneration of etchant solutions	8421.99x
Apparatus for cleaning PCB/PWBs during the assembly process	8422.20x, 8424.89x
Apparatus to enclose or hermetically seal PCB/PWB assemblies	8422.40x
Apparatus for application of non-defined coating via flooding during PCB/PWB processing	8424.89x, 8479.89x
Applicances for coating solder, photosensitive layers or other chemical solutions on substrates or components used for the manufacture of PCB/PWBs (e.g. horizontal/vertical wet processing equipment, hot air solder leveling equipment, wave soldering equipment).	8424.89x
Horizontal Cleaning Machines for PCB's (pumice spray)	8424.89x
Spraying appliances for etching, stripping or cleaning PCB/PWBs	8424.89x
Parts of appliances for coating solder, photosensitive layers or other chemical solutions on substrates or components used for the manufacture of PCB/PWBs.	8424.90x
Parts off spraying appliances for etching, stripping or cleaning PCB/PWBs	8424.90x

ANNEX: USTR'S LIST OF POTENTIAL PRODUCTS FOR THE ITA-II PROCESS—Continued

Product	Indicative HS heading
Automated material handling machines for transport, handling and storage of bare PCB/PWBs, PCB/PWB assemblies and their electronic components.	8428 39x
Parts of automated material handling machines of heading 8424 for transport, handling and storage of bare PCB/PWBs, PCB/PWB assemblies and their electronic components.	8431 39x
Printing machinery of a kind used in the manufacture of PCB/PWBs (screen printing equipment)	8443 59x
Apparatus for application of defined/non-defined liquids to PCB/PWBs during processing	8443 59x
Equipment operated by laser or other light or photon beam processes: of a kind used in the manufacture of PCB/PWBs (including laser hole formation equipment).	8456 10x
Batch processing equipment used to generate plasma from gases under vacuum during PCB/PWB processing.	8456 90x
Apparatus for stripping or cleaning PCB/PWBs including plasma equipment	8456 99x
Drilling Machines/Driller Routers/Routers/Solide Carbide Circuit Board Drills for PCB Substrates	845929x
Drill sharpening equipment including high precision apparatus used to re-point carbide drills used in processing of PCB/PWBs.	8460 39x
Cutting or scoring apparatus used during PCB/PWB processing	8461 90x
Drilling equipment for PCB/PWB processing	8465 96x
Tools for scribing or scoring PCB/PWBs or substrates containing PCB/PWBs, including routing and scoring equipment.	8465 99x, 8465.92x, 8465.96x
Temperature or pressure-controlled lamination press used to bond layers into multilayer PCB/PWBs ...	8465 99x
Parts and accessories for machines of a kind used in the manufacture of PCB/PWBs	8466 93x
Parts and accessories for machines for scribing or scoring PCB/PWBs or substrates containing PCB/PWBs.	8466 93x
Encapsulation equipment for assembly of PCB/PWBs	8477 59x
Registration equipment (to align and/or punch PCB/PWBs during ptographic/mechanical processing ...	8477 80x, 8465 99x
Vacuum assisted presses for the lamination of individual PCB/PWBs into multilayer PCB/PWBs	8477 80x
Parts for encapsulation equipment for assembly of PCB/PWBs	8477 90x
Parts for vacuum assisted presses for the lamination of individual PCB/PWBs into multilayer PCB/PWBs.	8477 90x
Mixing, kneading, crushing, grinding, screening, sifting, homogenizing, emulsifying or stirring machines:	8479 82x
Apparatus for the regeneration and mixing of etchant solutions	8479 82x, 8479 89x
Metering or mixing equipment used to extend the life of solutions used during the process of PCB/PWBs.	8479 82x
Apparatus for coating dry film photo resist, photosensitive layers, soldering paste or other adhesive materials on substrates or components used for the manufacture of PCB/PWBs, e.g. horizontal/vertical wet processing equipment, dry film laminators, roller coating and curtain equipment, apparatus for provision spot application.	8479 89x, 8424 89x, 8420 10x
Apparatus and equipment for heating by infrared radiation, ultraviolet and thermal energy during PCB/PWB processing; ovens for curing solder or adhesives during PCB/PWB processing.	8479 89x, 8419.39x, 8419.89x
Automated machines for the placement or removal of components or contact elements on PCB/PWBs (automated component placement systems).	8479 89x
Automated machines for the placement or alignment of PCB/PWBs during the processing (registration equipment).	8479 89x
Machines for cleaning the copper surfaces of PCB/PWBs during the manufacturing	8479 89x
Solder ball mounter for PCB/PWB assembly	8479 89x
Anti-static equipment of PCB/PWB processing	8479 89x
Vacuum frames for holding one or more PCB/PWBs during assembly	8479 89x
Routing equipment used for internal and external profiling during PCB/PWB processing	8479 89x
Parts of apparatus for the regeneration and mixing of etchant solutions	8479 90x
Parts of apparatus for coating dry film photo resist, photosensitive layers, soldering paste or other adhesive materials on substrates or components used for the manufacture of PCB/PWBs.	8479 90x
Parts of automated machines for the placement or removal of components or contact elements on PCB/PWBs.	8479 90x
Parts of machines for cleaning the copper surfaces of PCB/PWBs during the manufacturing	8479 90x
Induction or dielectric furnaces and ovens for the manufacture of PCB/PWBs	8514 20x
Apparatus for curing solder or adhesives during PCB/PWB processing	8514 30x
Heating equipment and ovens for the manufacture of PCB/PWBs	8514 30x
Parts of furnaces and ovens for the manufacture of PCB/PWBs	8514 90x
Machines for soldering components on PCB/PWBs (reflow soldering equipment, hot air solder leveling equipment, wave soldering equipment).	8515 19x
Apparatus used to bring molten solder into contact with assembled PCB/PWBs	8515 19x
Wet processing apparatus used to clean, strip and plate the edge connectors during PCB/PWB processing.	8515 19x
Apparatus for appliction, coating or laminating of PCB/PWBs during processing	8518 19x, 8479 89x
Parts of machines for soldering components on PCB/PWBs	8515 90x
Apparatus for wet etching, developing, stripping or cleaning PCB/PWBs and their connectors including cleaning equipment, horizontal/vertical wet processing equipment, finger plating equipment..	8543 30x
Parts of apparatus for wet etching, developing, stripping or cleaning PCB/PWBs and their connectors	8543 90x
Laser photo plotters	9006 10x
Parts of laser photo plotters	9006 10x
Apparatus for the projection or drawing of circuit patterns on sensitized substrates for the manufacture of PCB/PWBs (e.g., exposure equipment, direct imaging equipment).	9010 50x

ANNEX: USTR'S LIST OF POTENTIAL PRODUCTS FOR THE ITA-II PROCESS—Continued

Product	Indicative HS heading
Parts and accessories of apparatus for the projection or drawing of circuit patterns on sensitized substrates for the manufacture of PCB/PWBs.	9010 90x
Photo plotter for drawing or photo-tool for use in the production of PCB/PWB assemblies	9010 50x, 9017 10x
Apparatus for the physical inspection of concealed solder joints on PCB/PWBs (e.g., automatic optical inspection equipment).	9022 19x
Apparatus for measuring or checking electrical quantities in PCB/PWB assemblies	9030 39x
Electrical bare board test apparatus used to determine continuity or non-continuity of a finished PCB or PWB (known as "Flying Probe" and "Fixture").	9030 39x
Instruments and apparatus with a recording device for measuring or checking PCB/PWBs and PCB/PWB assemblies (e.g., electrical bare board test equipment and in-circuit test equipment).	9030 83x
Other instruments and apparatus for measuring or checking PCB/PWBs and PCB/PWB assemblies (e.g., electrical bare board test equipment and in-circuit test equipment).	9030 89x
Parts and accessories of instruments and apparatus for measuring or checking PCB/PWBs and PCB/PWB assemblies.	9030 90x
Optical instruments and appliances for inspecting assembled PCB/PWBs and the surfaces of bare PCB/PWBs (e.g., automatic optical inspection equipment, error verification and repair equipment).	9031 49x
Parts and accessories of optical instruments and appliances for inspecting assembled PCB/PWBs and the surface of bare PCB/PWBs.	9031 90x
Flat Panel Display Manufacturing Equipment including but not limited to:	
Apparatus for chemical vapour deposition on LCD substrates	8419 89x
Parts of apparatus for chemical vapour deposition on LCD substrates	8419 90x
Spinners for coating photographic emulsions on LCD substrates	8421 19x
Parts of spinners for coating photographic emulsions on LCD substrates	8421 91x
Apparatus for dry-etching patterns on LCD substrates	8456 99x
Parts and accessories for apparatus for dry-etching patterns on LCD substrates	8466 93x
Apparatus for physical deposition on LCD substrates	8543 89x
Parts of apparatus for physical deposition on LCD substrates	8543 90x
Capacitor Manufacturing Equipment including but not limited to:	
Metal Can Sealing Machines for capacitor manufacturing	8424.89x
Paper Masking Machines for capacitor manufacturing	8424.89x
Automatic Resin Mixer-Doser for capacitor manufacturing	8424.89x
Capacitor Assembly Machines	8424.89, 8479.89x
Sorting and Pre-Flattening Machines/Capacitor Winding Machines	8424.89x
Registration Systems for capacitor manufacturing	8477.80x
Winders for Capacitor manufacturing	8479.81x
Satellite and Navigational Equipment, including but not limited to:	
Radar apparatus, radio navigational aid apparatus and radio remote control apparatus	8526
Fully computerized Vessel Traffic Systems used for radar surveillance and traffic management of harbors and ships, integrating charts, radar and positioning information.	852610
Car navigation system	852691x
Spacecraft (including satellites) and Sub-Orbital and Spacecraft Launch Vehicles	880260
Parts of Communications Satellites	88039030
Cables and connectors, and parts thereof, used by information technology products, including but not limited to:	
Plugs	85363080
Parts suitable for use solely or principally with the apparatus of headings Nos. 85.35, 85.36 or 85.37 ..	8538
Insulated wire, cables, and other electrical conductors	8544
Coaxial cable and other coaxial electric conductors	854420
Other electric conductors for a voltage not exceeding 80V, fitted with connectors, of a kind used for data transmission.	854441x
Other electrical conductors, for a voltage not exceeding 80V of a kind used for data transmission	854449x
Other electric conductors, for a voltage exceeding 80V but no 1000V, fitted with connectors, of a kind used for data transmission.	854451x
Other electric conductors, for a voltage exceeding 80V but not exceeding 1000V, not fitted with connectors.	854459
Electrical insulators of any material	8546
Other insulating fittings of ceramics	85471080x
Insulating fitting of plastics for electrical machines, appliances or equipment	854720
Other insulating fittings	8547900010
Machinery and equipment for household and office use, and parts thereof, including but not limited to:	
Duplicating machines, including digital	847210
Duplicating machines	847210
ADP supported self-service machines, such as information terminals and ticket dispensers	847290x
ADP supported banking machines other than ATMs (including payment terminals, chipcard, bank card or cash card processing retailer terminals and document processing terminals.	847290x
Parts and accessories (other than covers, carrying cases and the like) of typewriters and word processing machines for heading no. 8469.	847310
Parts and accessories for ADP supported banking machines and self-service machines, other than ATMs, such as information terminals and ticket dispenser, of heading ex 8472 90.	847340x
Parts and accessories for digital duplicating machines of heading ex 847210	847340x

ANNEX: USTR'S LIST OF POTENTIAL PRODUCTS FOR THE ITA-II PROCESS—Continued

Product	Indicative HS heading
Parts and accessories (other than covers, carrying cases and the like) of other office machines (e.g., stencil duplicating machines, addressing machines, automatic banknote dispensers, etc.) of heading 8472 (excluding parts and accessories for automatic teller machines covered in ITA).	847340x
Coin/bill changers/acceptors as part of vending machines	847690x
Microphones and Stands therefor	851810
Single loudspeaker mounted in their enclosure	851821
Multiple loudspeakers, mounted in the same enclosure	851822
Other loudspeakers not mounted in enclosure, including speaker Assy/With Wires for PC	851829
Headphones, Earphones, combined Microphone/speaker sets	851830
Audio frequency electric amplifiers	851840
Subwoofer	85184020x
Electric sound amplifier sets	851850
Parts of heading 8518	851890x
Parts of microphones, loudspeakers, headphones, earphones, audio frequency electric amplifiers, and electric sound amplifier sets.	851890x
Coin acceptors as parts of juke boxes	851910x
Other record players without speakers	851921
Other record players with speakers	851929
Turntables (record decks) with automatic record changing mechanisms	851931
Other turntables (record decks without automatic records)	851939
Transcribing machines	851940
Pocket size cassette players	851992
Other sound reproducing apparatus (cassette type)	851993
Other non-cassette sound reproducing apparatus	851999
CD player	851999045x
Dictating machines using only external power	852010
Digital audio type magnetic tape recorders incorporating sound reproducing apparatus	852032
Other cassette type magnetic tape recorders incorporating sound reproducing apparatus	852033
Other non-cassette tape recorders incorporating sound reproducing apparatus	852039
Other magnetic tape recorders and other sound recording apparatus, whether or not incorporating a sound reproducing device.	852090
Video recorders or reproducers, magnetic tape type	852110
Digital video cassette recorders connectable to personal computers	852110x
Other video recorders or reproducers, excluding magnetic tape-type	852190
DVD player	852190x
Parts and accessories suitable for use solely or principally with apparatus of headings 8519 or 8521 ..	8522
Pick up cartridges for record players	852210
Television surveillance cameras	8522530x
Parts and accessories of turntables, record-players, magnetic tape recorders, video recording or reproducing apparatus, etc.	852290
Parts and accessories of telephone answering machines not covered in the ITA	852290x
Cards incorporating a magnetic stripe	852330
Phonograph records	852410
Discs for laser reading systems for reproducing sound only	852432
Other discs for laser reading systems	85243980
Other magnetic tapes for reproducing sound or image of a width not exceeding 4mm	852451
Other magnetic tapes for reproducing sound or image—of a width exceeding 4mm but not exceeding 6.5mm.	852452
Other magnetic tapes for reproducing sound or image—of a width exceeding 6.5mm	852453
Cards incorporating a magnetic stripe	852460
Other recorded media	85249990
(All) radio transmission apparatus not covered in ITA	852510x
Studio TV cameras	85253060
Cameras for video conferencing	85253090
Cameras for video conferencing	85253090
Television surveillance cameras for professional use in controlling roads, including vehicle speed	852530x
(All) still image video cameras and other video camera recorders not covered in ITA	852540x
Digital moving image video camera recorder	852540x
Pocket-size radio cassette players	852712
Radio-broadcast receivers capable of operating without an external source of power, including apparatus capable of receiving also radio-telephony or radio-telegraphy, other than pocket-size radio cassette-players.	852713
Radio-broadcast receivers, battery-type, not elsewhere specified or included	852719
Radio-broadcast receivers not capable of operating without an external source of power, of a kind used in motor vehicles, including apparatus capable of receiving also radio-telephony or radio-telegraphy.	852721x
Digital audio component connectable to personal computers	852731x
Other receivers without speakers	852739x
Color reception apparatus for the televisions	852812
Data projector for automatic data processing machines with video input terminal	85281230x
Integrated receiving decoder for satellite transmission	852812x

ANNEX: USTR'S LIST OF POTENTIAL PRODUCTS FOR THE ITA-II PROCESS—Continued

Product	Indicative HS heading
TV connectable to internet	852812x
Black and white and other monochrome reception apparatus for televisions	852813
Colour video monitors	852821
Black and white or other monochrome video monitors	852822
Video projectors	852830
Data projector for automatic data processing machines with video input terminal	852830x
Aerials and aerial reflectors of all kinds; parts suitable for use therewith, not covered by ITA	852910x
Aerials and aerial reflectors of kinds used for devices classified under subheading 8526	852910x
Aerial filters and separators	852910x
Tuners	85299029
Flat panel screen assemblies for the apparatus of subheadings 8528.12.62, 8528.12.64, 8528.12.68, 8528.12.72, 8528.21.55, 8528.21.60, 8528.21.65, 8528.21.70, 8528.30.62, 8528.30.64, 8528.30.66 and 8528.30.68.	85299053
Multi-media printers as parts for TV cameras	85299081x
Parts for TV cameras	85299083x
Linear control coils for computer monitors	8529909345x
Other, other parts of apparatus of heading 8525 to 8528	8529909380
Parts suitable for use solely or principally with the apparatus of heading Nos. 8525 to 8528, not covered by ITA.	852990x
Parts suitable for use with apparatus of heading 8526	852990x
Other apparatus	853180
Flat Panel displays (including LCD, Electro luminescence, Plasma and other technologies) for products falling within ITA-II (not already covered by ITA).	853180x
Parts of flat panel displays not already covered by ITA	853190x
Other sound signaling apparatus	8531x
Color cathode ray television picture tubes, including video monitor cathode ray tubes	854011
Black and white or other monochrome cathode ray television picture tubes, including video monitor cathode ray tubes.	854012
Television camera tubes; image converters with intensifiers, other pho-cathode tubes	854020
Data/graphic display tubes, color, with a phosphor dot screen pitch smaller than 0.4 mm	854040
Data/graphic display tubes, black & white or monochrome, with dot pitch less than 0.4mm	854050
Other cathode ray tubes	854060
Magnetrons	854071
Klystrons	854072
Other microwave tubes excluding grid controlled tubes	854079
Receiver or amplifiers valves and tubes	854081
Other valves and tubes, including numerical indicator tubes, fluorescent type	854089
Parts for cathode ray tubes	854091
CRT Front Panel Assembly	85409115
Other CRT Parts	85409150
Deflection yoke coils and deflection yoke core for CRT monitor use	854091x
Other parts of articles of heading 8540	854099
Contact image sensors	854890x
Memory cards in multicombinational form, including flash cards (IC-E—PROM cards); Contact image sensors.	854890x
Hands Free Car Kit for Cell Phones;	858130x
Electronic Keyboards->\$100.00	920710x
Coin/bill acceptors as parts of video games	950410x
Coin acceptors as parts of gaming machines	950430x
Bill acceptors as parts of gaming machines	950490x
Typewriter or similar ribbons < 30mm	961210
Motors, power supplies and similar equipment, and parts thereof, used in information technology products, including but not limited to:	
Speed drive controllers	8404x
Stepping motor driver	84128090
Motors of an output not exceeding 37.5w: under 18.65w	850110
Motors of an output not exceeding 37.5w: ov 18.65W or more: AC/DC for ADP	85011060x
DC motors not exceeding 10w	850110x
Electric motors and generators: universal AC/DC motors of an output exceeding 37.5w but not exceeding 74.6w.	85012020
Electric motors and generators: universal AC/DC motors of an output exceeding 37.5w; of an output exceeding 74.6w but not exceeding 735w.	85012040
Direct drive servo motor	85013140x
DC motors not exceeding 750W	850131x
DC motors exceeding 750W but not exceeding 75Kw	850132x
DC motors exceeding 75Kw but not exceeding 375Kw	850133x
DC motors exceeding 375Kw	85013430
Other AC motors, single phase, of an output exceeding 37.5w but not exceeding 74.6w	850140
Other AC motors, multi-phased, of an output not exceeding 750w	850151
AC motors, multi-phased, of an output exceeding 750W but not exceeding 75Kw	850152
AC motors, multi-phased, of an output exceeding 75Kw	850153
Electric rotary converters	850240

ANNEX: USTR'S LIST OF POTENTIAL PRODUCTS FOR THE ITA-II PROCESS—Continued

Product	Indicative HS heading
Ballasts for discharge lamps or tubes	850410
Other electrical transformers having a power handling capacity not exceeding 1 kVa	850431
Transformers having the capacity to handle 40 VA or greater but less than 1 kVA	8504314065
SMD type I.F. Transformer, SMD type current transformer, SMD type signal transformer	850431x
Other electrical transformers having a power handling capacity exceeding 1 kVa but not exceeding 16 kVa.	850432
Other electrical transformers having a power handling capacity exceeding 16 kVa but not exceeding 500 kVa.	850433
Speed drive controllers for electric motors	85044040
Other: rectifiers and rectifying apparatus, including power supplies and parts thereof; inverters, other ..	85044095
Static converters not exceeding 50w	850440x
System Test Racks	850440x
Static converters providing uninterrupted power supplies	850440x
Other Inductors	850450
Chip type fixed inductor	850450x
Parts of electrical transformers, static converters (for example, rectifiers) and inductors	850490
Permanent Magnets and articles intended to become permanent magnets after magnetization, of metal.	850511
Neodymium metal magnet	850511x
Permanent Magnets and articles intended to become permanent magnets after magnetization, other ..	850519
Other: electromagnets, including parts	85059080
Primary cells and primary batteries; parts thereof	8506
Electric storage batteries, including separators therefor, whether or not rectangular (including square); parts thereof.	8507
Nickel-cadmium electric accumulators, including separators therefor whether or not rectangular (including square).	850730
Lithium ion battery	850780x
Parts of electric accumulators	850790
Regulators	85118060x
Fuses, for electric circuits of a voltage exceeding 1000 volts	853510
Automatic circuit breakers, for electric circuits of a voltage exceeding 1kV and less than 72.5 kV	853521
Automatic circuit breakers, for electric circuits of a voltage exceeding 72.5 kV	853529
Isolating switches and make-and-break switches, other than knife	85353080
Surge suppressors	853540x
Motor overload protectors	85359040x
Other electrical apparatus exceeding 1,000v	85359080
Fuses for electric circuits of a voltage not exceeding 1000 volts	853610
Automatic circuit breakers, for electric circuits of a voltage not exceeding 1000 volts	853620
Relays for a voltage not exceeding 60 V	853641
Relays for a voltage exceeding 60 V	853649
Motor starters for voltage less than 1000 volts; rotary switches for a voltage less than 1000 volts; push button switches for a voltage less than 100 volts; slide action, knife slide limit and other switches not covered in ITA.	853650x
Centerpin	853690x
Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in selected circuits, for a voltage not exceeding 1000 V, not included in ITA.	8536x
Boards, panels, consoles, desks, cabinets and other bases, equipped with two or more apparatus of heading 8535 or 8536, for electric control or the distribution of electricity, for a voltage not exceeding 1000 V.	853710
Panel boards, distribution boards and frame supervisory panels used in the manufacture of goods falling within the Agreement.	853710x
Cabinets of heading 8536 for voltage not exceeding 1000 V, including apparatus for automatic connection of separate computer units, fuses as well as microprocessor.	853710x
Items in 853710 for a voltage not exceeding 1000V (Line and equipment controller)	853710x
I/O Backplane Board, Motor control centers, remote controllers, <1000V	853710x
Boards, panels, consoles, desks, cabinets and other bases, equipped with two or more apparatus of heading 8535 or 8536, for electric control or the distribution of electricity, for a voltage exceeding 1000 V including medium voltage starters.	853720
Parts of boards, panels, consoles, desks, cabinets and other bases for the goods of heading 8537, not equipped with their apparatus (parts of line and equipment controller).	853810x
Parts of apparatus of heading 8535, 8536, 8537 other than boards, panels, consoles, desks, cabinets and other bases for the goods of heading No. 8537, not equipped with their apparatus including video switching apparatus.	853890
Parts, including printed circuit assemblies, for products falling within ITA-II not already covered by ITA	853890x
Parts used in the manufacture of goods falling into ITA/ITA-II	853890x
Electrical filament or discharge lamps, including sealed beam lamp units and ultra-violet or infrared lamps; arc lamps; part thereof: other filament lamps, excluding ultraviolet or infrared lamps; tungsten halogen; other; of a power less than 500 w.	8539214040x
Other parts, machinery, apparatus and other inputs used in the production of information technology products, including but not limited to:	
Air or vacuum pumps, air or other gas compressors and fans: ventilating or recycling hoods incorporating a fan whether or not fitted with filters; parts thereof; fans: other.	8414

ANNEX: USTR'S LIST OF POTENTIAL PRODUCTS FOR THE ITA-II PROCESS—Continued

Product	Indicative HS heading
Vacuum pumps, including cryopumps, dry pumps, turbo pumps, diffusion pumps	841410
Other industrial or laboratory furnaces and ovens, except parts, not including furnaces and ovens for the roasting, milting or other heat treatment of ores, pyrites or of metals or bakery ovens.	841780
Other dryers including those used in production of inkjet marking assemblies	8419390080x
Other machinery; plant or equipment including horizontal wet processing equipment; machinery for the treatment of materials by a process involving a change in temperature; used in product of inkjet marking assemblies.	8419899085x
Other parts of other machinery, plant or laboratory equipment including of Dryers used in production of inkjet marking assemblies.	8419908080x
Parts of filtering or purging machinery and apparatus for liquids of gases	842199
Water treatment systems and apparatus for the production of semiconductors	8421x
Labelling Machines for production of Inkjet Marking Assemblies	8422309020x
Filling Machinery for production of Inkjet Marking Assemblies	8422309040x
Sealing machines used in production of Inkjet Marking Assemblies	8422309060x
(Other) machines for filling, sealing, or labeling, used in production of Inkjet Marking Assemblies	8422309090x
Parts of machines for filling, sealing, or labeling used in production of Inkjet Marking Assemblies	8422909095x
Solder Paste Etching Machine	8422x
Paper Masking Machine	8422x
Scales for continuous weighing on conveyors used in production of Inkjet Marking Assemblies	842320x
Mechanical appliances for dispersing of spraying; used in production of Inkjet Marking Assemblies	8424897090x
Parts of mechanical appliances for dispersing of spraying; used in production of Inkjet Marking Assemblies.	8424908085x
Suction nozzle tip	84249080x
Automatic resin mixer-doser; hot air solder leveling equipment; capacitor assembly machines; sorting pre-flattening machines.	8424x
Other cont.-action elevators and conveyors for goods and materials: used in production of Inkjet Marking Assemblies.	8428398000x
Industrial Robots for lifting, handling, loading, unloading for production of Inkjet Marking Assemblies ...	8428908015x
Parts of Elevators and Conveyors used in production of Inkjet Marking Assemblies	8431398015x
Parts in Industrial Robots for lifting, handling, loading, unloading for production of Inkjet Marking Assemblies.	8431398085x
PCLM Panlemark/Cover Marker/Auto Backside Ink Mark System for IT Products	844230x
Digital Proofer Digital half-tone color proofing device	844351x
Coating Equipment for Photosensitive Liquids (screen printing)	84435950x
Parts of ink-jet printing machines	84439050x
Laser marking machine for IC's PCBA's, cartridges and other encapsulating packages	84561010x
Machines Tools for the removal of material operated by laser for production of Inkjet Marking Assemblies.	84561080x
Laser Drills	84569910x
Machining centres	845710
Horizontal lathes for removing metal, not numerically controlled	845819
Drill Bits and Other Cutting Tools	845940x
Milling machines, knee type, for removing metal, not numerically controlled	845959
Other milling machines for production of Inkjet Marking Assemblies	8459610080x
Other threading or tapping machines	845970
Flat surface grinding machines, not numerically controlled	846019
Cleaning Machines/Surface Preparation	8460908080x
Edge Finishing Machine	846090x
Sawing or cutting off machines for removing metal	846150
Forging or die-stamping machines (including presses) and hammers for removing metal	846210
Machine tools for working metal; for production of Inkjet Marking Assemblies	8462218085x
Bending, folding, straightening or flattening machines (including presses) for working metal, not numerically controlled.	846229
Hydraulic presses for working metal	846291
Pneumatic presses for production of information technology equipment	8464x
Depanel machines for separating substrates	8464x
Scoring Machines (Sawing), including equipment to separate individual substrates from panel (multipack from).	84659190x
CNC Routing Machine	8465920090x
Bending or Assembling Machines for production of Inkjet Marking Assemblies	8465940090x
CNC Drilling and Routing Machine	8465950090x
Scoring Machines (Cutting), Depanelization Equipment	846599x
Registration Systems (used for punching a PWB or inner layer)	846599x
Parts of Bending or Assembling Machines for production of Inkjet Marking Assemblies	8466925090x
Parts of machine tools for the removal of material operated by laser for production of Inkjet Marking Assemblies.	8466939585x
Laser machine parts	846693x
Parts and accessories suitable for use solely or principally with the machines of headings no. 8462 or 8463.	846694
Parts of machine tools for working metal for production of Inkjet Marking Assemblies	8466948585x
Hot Air Soldering Leveling HASL Equipment/Paste Printer	846880x
Registration Systems (for punching film and for punching prerog)	847780x

ANNEX: USTR'S LIST OF POTENTIAL PRODUCTS FOR THE ITA-II PROCESS—Continued

Product	Indicative HS heading
Vacuum Frames	847790x
Industrial robots not elsewhere specified including component placement machines, machines that automatically sockets cartridges, load packages into magazines, automatically load magazine duct into Seal Furnace, unload sealed units and turn components or assemblies over in the trays.	847950
Other machines and mechanical appliances for treating metal, including electric wire coil-winders	847981
Machines and mechanical appl. not spec. or incl. elsewhere for production of Inkjet Marking Assemblies.	8479899797x
All surface mount "pick and place" equipment	847989x
Apparatus for placement of components or contact element on semiconductor materials, printed circuit boards or printed wiring boards, ceramic substrates or other substrate materials.	847989x
Machines to dispense thermal grease onto the processor	847989x
Other parts of machines and mechanical appliances	84799097
Parts of Machines and mechanical appl. not spec. or incl. elsewhere for production of Inkjet Marking Assemblies.	847990x
Metal disks for winding machines; heating elements; winding needles, injection needles, clinchers (stamp plate).	847990x
Mould bases	848020
Moulds for metal or metal carbides, injection or compression types	848041
Valves with hydraulic actuators	84818090x
Solenoid valves, taps, cocks and valves, other solenoid valves	84818090x
Valves with pneumatic actuators	84818090x
Other chain sprockets and parts thereof, not forged	8483901050
Rapid Thermal Processors	851410x
Seal Furnace for I/C+s and IC Cartridges	851420x
Other furnaces and ovens	85143080
Other industrial furnaces, Solder Reflow Ovens IR: Temperature Cycle Chamber	851430x
Wave Soldering Equipment	851519x
Fully or partly automatic machines and apparatus for resistance welding of metal	851521
Electric, laser, ultrasonic, etc. brazing or welding machines not elsewhere specified or included; electric machines for hot spraying of metals or sintered metal carbides.	851580
Ultrasonic Welding Machines for production of Inkjet Marking Assemblies	8515808045x
Other soldering, brazing or welding machines for production of Inkjet Marking Assemblies	8515808085x
Parts for electric laser, ultrasonic etc. welding etc. machines, parts for electric machines for hot spraying of metals of sintered metal carbides.	851590
Parts of Ultrasonic Welding Machines for production of Inkjet Marking Assemblies	85159030x
Parts of other solder, brazing or welding machines for production of Inkjet Marking Assemblies	85159040x
Machines and apparatus for electroplating electrolysis or electrophoresis, including CNC and Non-CNC Vertical Processing Machines; Plating line.	854330
Microwave amplifiers	85438980
Computer-based Products Specific to Video and Audio Data Processing, including Optical amplifiers, Anechoic chamber kit, parts and accessories for measuring form Em>C. (counter measure for noise reduction).	854389x
Anechoic chamber kit, parts and accessories for measuring for E.M.C. (counter measure for noise reduction).	854389x
Optical amplifiers	854389x
Oscillators and amplifiers, including repeaters, used in the manufacture of goods falling within this Agreement.	854389x
Parts for electrical machines and apparatus, such as ion implanters for doping semiconductor materials, machines and apparatus for electroplating electrolysis or electrophoresis, proximity cards and tags etc., under heading no. 8543.	854390
Printed circuit assemblies Parts for everything on list that is in 8543	854390x
EMI filter	854390x
Electrical parts of machinery or apparatus not specified or included elsewhere in this chapter	854890
Optical and photographic instruments and apparatus, parts and accessories, including but not limited to:	
Optical fibers, optical fiber bundles and cables	900110x
Lenses for telecommunications equipment	900219x
Optical units for photocopying apparatus	900290x
Lenses, prisms, mirrors and other optical elements, of any material, mounted, being parts of or fittings for instruments or apparatus, other than such elements of glass not optically worked; parts and accessories thereof; other.	90029095
Image link Microimagers (High volume rotary microformers)	900620x
Advanced Photo System Cameras Hybrid film/digital camera	900652x
Digital Camera (Fixed Focus)	90065940x
Digital Camera (Other than fixed focus)	90065990x
Microprocessor-Controlled Projectors	900810x
Electrostatic photocopying apparatus: operating by reproducing the original image via an intermediate onto the copy (indirect process).	900912
Other photocopying apparatus of the contact type	900922
Thermo-copying apparatus	900930

ANNEX: USTR'S LIST OF POTENTIAL PRODUCTS FOR THE ITA-II PROCESS—Continued

Product	Indicative HS heading
Apparatus and equipment for photographic laboratories not specified or included elsewhere in this chapter; negatoscopes; projection screens, parts and accessories thereof, including Advanced Photo System Mini-labs Point-of Sale hybrid film digital imaging system processing eqpt., exposure equipment for photosensitive materials, CNC direct imaging systems, motion imaging workstations, still imaging workstations, graphic arts proofing workstations, digital optical recording systems and media, color proofing workstations, copy print, film transfer machine parts, curing system for solder mask, film digitizers (parts and accessories).	9010
Compound optical microscopes, including those for photomicrography, cinemicrography or micro-projection; parts and accessories thereof.	9011
Electron microscopes	901210x
Electron microscope parts and accessories	901290x
Liquid crystal devices consisting of a liquid crystal layer sandwiched between two sheets or plates of glass or plastic, whether or not fitted with electrical connections, other than Flat Panel Displays provided for in headings 8471 or 8531 and excluding uu*; and parts.	9013x
Other devices, appliances and instruments, specifically fiber-optic isolators and integrated optical switches (photonic opto-chips).	901380x
Instruments, apparatus and testing equipment including but not limited to:	
Dynamic navigation positioning systems and autopilots for ships and drilling platforms	901410x
Fully computerized Airport Surveillance Tactical Display Systems, integrating charts, radar, information and tactical information.	901420x
Echo sounding instruments and ultra sonic sounding or detecting equipment, including vessel bridge instrumentation systems and computerized echo sounders and under water navigation systems.	901480x
Parts and accessories of items described in 9014.10x-9014.80x	901490x
Instruments and appliances used in medical, surgical, dental or veterinary sciences.; and parts and accessories thereof.	9018
Apparatus based on the use of x-rays or of alpha, beta or gamma radiations; including computed radiography systems, digital radiographic imaging systems, energy dispersive microanalysis, other x-ray machines, medical digital interface (converts digital data between modalities); and parts and accessories.	9022
Simulator systems, specifically ship bridge simulators, marine process simulators and offshore process simulators.	9023x
Other material Testing equipment used in production of Inkjet Marking Assemblies	902480x
Parts of other material testing equipment used in production of Inkjet marking assemblies	902490x
Gas or smoke analysis apparatus	902710
Exposure meters	902740
Microtomes	90279020
Parts and Accessories of Articles of subheading 9027.10, 9027.40 and 9027.90.20	902790x
Instruments and Apparatus for Measuring and Detecting Ionizing Radiation	903010
Cathode Ray Oscilloscopes and Cathode Ray Oscillographs	903020
Multimeters, without a recording device, including digital	903031
Instruments and apparatus for measuring or checking voltage, current resistance or power, without a recording device, excluding multimeters, neosi including Digital Circuit Testers, signal analyzers, spectrum analyzers/Automatic Parametric Tester, other instruments for measuring/checking pressure used in production of Inkjet Marking Assemblies, pull testers.	903039
Other instruments and apparatus, with a recording device, including in Circuit Test Equipment; Electrical BarBoard Testors; Automatic Optical Inspection Equipment; cable testors-metallic.	903083
Other instruments and apparatus without a recording device (including ATM/broadband Test System, ATM Service Module, Telecom/Datacom...etc.).	903089
Parts and Accessories	903090
Measuring or checking instruments, appliances and machines, not specified or included elsewhere in this chapter; profile projectors; parts and accessories thereof not currently included in ITA.	9031x
Automatic regulating or controlling instruments and apparatus; parts and accessories	9032
Auto Chief and Data Chief: fully computerized ships engine control, alarm and surveillance systems; parts and accessories thereof.	9032x
Parts for semiconductor production equipment	9033x
Other products	
Virtual reality equipment such as head-mounted display, cyber glove, 3D trackball	Uncertain

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ACTION: Notice of permit modification issued under the Antarctic Conservation of 1978, Public Law 95-541.

Joyce A. Jatko, Acting Permit Officer,
 Office of Polar Programs, Rm. 755,
 National Science Foundation, 4201
 Wilson Boulevard, Arlington, VA 22230.

NATIONAL SCIENCE FOUNDATION

Notice of Permit Modification Issued Under the Antarctic Conservation Act of 1978

AGENCY: National Science Foundation.

SUMMARY: The National Science Foundation (NSF) is required to publish notice of permits issued under the Antarctic Conservation Act of 1978. This is the required notice.

FOR FURTHER INFORMATION CONTACT:

SUPPLEMENTARY INFORMATION: On December 31, 1997, the National Science Foundation published a notice in the **Federal Register** of a permit modification application received. A permit modification was issued on