Electronic Information Products Classification and Explanations

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Electronic information products are defined [at Article 3(1)] of the Management Methods for Control of Pollution Caused by Electronic Information Products (hereinafter “Management Methods”). The defined electronic information products are grouped into ten major categories, within the definition of the scope of application of Management Methods. In order to help those concerned about the Management Methods to understand the definitions and implications of electronic information products, these electronic information products being applicable to Management Methods are sorted and annotated based on the Electronic Information Industry Classification used for electronic information economy index statistic, and given as follows:

Radar Equipment and Products

Radar Equipment
I. Command Automation System
II. Radar and Accessory Equipment
   1. Ground Radar and Vehicle Borne Radar
   2. Airborne Radar, Space-borne Radar and Missile Radar
   3. Shipboard Radar

Communications Equipment and Products

Communications Transmission Equipment
I. Communications Transmitter
   1. Short Wave and Single Side Band Transmitter
   2. Long Wave and Ultra Long Wave Transmitter
   3. Short Wave Self-Adapting Transmitter
   4. Other Transmitters
II. Communications Receiver
   1. Short Wave and Single Side Band Receiver
   2. Long Wave and Ultra Long Wave Receiver
   3. Digital Receiver
III. Microwave Communications Equipment
   1. Microwave Transceiver Communications Equipment
   2. Microwave Terminal Set
   3. Microwave Antenna, Feed Line
   4. Other Microwave Equipment
IV. Application Products for Satellite
   1. Antenna for Satellite Ground Station
   2. Low Noise Amplifier for Satellite Ground Station
   3. Up or Down Converter for Satellite Ground Station
   4. High Power Amplifier for Satellite Ground Station
   5. Terminal Set for Satellite Ground Station
   7. Satellite Navigational Positioning Reception Equipment
   8. Satellite Meteorology Reception Equipment
   9. Other Satellite Ground Stations and Antennas

V. Scatter Communications Equipment
   1. Scatter Communications Terminal Set
   2. Scatter Channel Machine
   3. Scatter Communications Antenna

VI. Communications Navigation Direction Equipment
   1. Aircraft Communications and Navigation Directive Equipment
   4. Other Communications and Navigation Directive Equipment

VII. Carrier Communications Equipment
   1. Carrier Terminal
   2. Carrier Repeater
   3. Electric Power Carrier

VIII. Optical Communications Equipment
   1. Fiber Optical Cable Terminal Set
   2. Fiber Optical Cable Trunk Equipment
   3. Fiber Optical Amplifier
   4. Wavelength Division Multiplexer (WDM)
   5. Cross Connection Equipment
   6. Other Equipment

Communications and Switch Equipment
I. Switch
   1. Stored-Program Control Switch (Excludes the Mobile Stored-Program Control Switch)
      i. Office Switch
      ii. Subset
      iii. Asynchronous Transfer Mode (ATM) and Internet Protocol (IP) Switch
      iv. Other
   2. Telegraph Switching Equipment
   3. Other Switches

II. User Access Device
   1. Wireless Access Device
   2. Cable Access Device
3. Fiber Optical Access Device
4. Access Terminal Device

Communications Terminal Device

I. Small / Medium Transceiver Broadcasting Station
   1. Short Wave Broadcasting Station
   2. Ultra Short Wave Broadcasting Station
   3. Short Wave Frequency-Hopping Broadcasting Station
   4. Ultra Short Wave Frequency-Hopping Broadcasting Station
   5. Single Side Band Broadcasting Station
   6. Other Transceiver Broadcasting Station

II. Telephone Set
    1. Common Telephone Set
    2. Recording Telephone Set
    3. Video Telephone Set
    4. Cordless Telephone
    5. Card Insertion Telephone
    6. Coin Pay Phone
    7. Special Type Telephone (Includes Security and Underground Mining Telephones)
    8. Other Telephones

III. Data Communications Equipment
     1. Facsimile Machine
     2. Data Set (Includes Mechanical, Electronic Typewriter)
     3. Digital Packet Switch and Packet Assembler and Disassembler (PAD)
     4. Other

IV. Communications Electronic Countermeasure Equipment
    1. Communications Reconnaissance Equipment
    2. Communications Direction Finder Equipment
    3. Communications Jamming Equipment
    4. Communications Encryption Equipment

V. Communications Navigation Vehicle
    1. Radio Communications Vehicle
    2. Wired Communications Vehicle
    3. Communications Countermeasures Vehicle

VI. Communications Associated Device
    1. Primary Power Equipment
    2. Secondary Power Equipment
    3. Network Administration, Charging and Monitoring Equipment
    4. Diesel Engine for Communications
    5. Microwave Accessory Equipment
    6. Telephone Accessory Equipment
    7. Carrier Wave Accessory Equipment
    8. Wire Distributing Equipment
Mobile Communications Device
I. Digital Cellular Wireless Telephone System Device
   1. Base Station Device
   2. Base Station Antenna
   3. Direct Amplifying Station
   4. Switching Equipment
II. Wireless Paging System Device
   1. Paging Base Station Device
   2. Other Paging Devices
III. Trunking Mobile Communications System Device
   1. Base Station Device
   2. Base Station Antenna (for Dispatching or Dedicated Network Systems)
   3. Switching Equipment
IV. Medium and Small Automatic Wireless Telephone System Device
   1. Switch Base Station Device
   2. Other Devices
V. Device for Communications System Without A Central Controller

Mobile Communications Terminal Device
I. Mobile Communications Terminal
   1. GSM Mobile Phone
   2. CDMA Mobile Phone
II. Other Mobile Communications Terminal
   1. Motor-Car Telephone
   2. Interphone
   3. Radio Paging Set
   4. Personal Access Phone System

Communications Equipment Repairing and Other Communications Equipment
I. Other Communications Associated Equipment
   1. Modem for Communications
   2. Distribution and Junction Device for Communications

Broadcast and Television Equipment Industry Products

Broadcast and Television Programming, Transmitting, Transmission Equipment
I. Audio Frequency Programming and Studio Equipment
   1. Broadcast Dedicated Recording, Playback Device
   2. Audio Mixing Console
   3. Studio Monitor (Set)
II. Audiovisual Program Production and Studio Equipment
   1. Television Recording and Broadcasting Central Equipment
2. Coverage Device
3. Special Video Recorder
4. Video Editing Device
5. Broadcast and Television Photograph and Record Device
6. Signal Generator
7. Video Information Processing Equipment
8. Television Signal Synchronous Machine
9. Television Graphic and Text Processing System Device

III. Broadcasting Transmitting Device
1. Short Wave Transmitter
2. Medium Wave Transmitter
3. Frequency Modulated Transmitter
4. Digital Sound Broadcasting Transmitter
5. Broadcast Transmission Antenna and Associated Equipment

IV. Television Transmitting and Translation Equipment
1. Television Transmitter
2. Television Transposer
3. Ground Antenna
4. Television Transmitting and Translation Associated Equipment

V. Satellite Television Transmitting and Translation Equipment
1. Satellite Television Transmitting Equipment
2. Satellite Television Translation Equipment

VI. Cable Television Network Transporting Device
1. Cable Television Headend Equipment
2. Fiber Optical Cable Transmission Equipment
3. Cable Transmission Equipment

**Broadcast and Television Reception Equipment and Equipment**

I. Television Reception Equipment
1. Definite Purposed Projection Television Receiver
2. Video Monitoring Machine

II. Broadcast Reception Equipment
1. Broadcast Reception Equipment
2. Broadcasting Reception Equipment for Motor Vehicle

III. Satellite Broadcast Television Reception Equipment
1. Satellite Broadcast Television Reception Equipment
2. Satellite Broadcast Television Receiving Antenna
3. Satellite Broadcast Television Receiving High Frequency Head
4. Integrated Satellite Broadcast and Television Receiving Machine

IV. Cable Television Reception Equipment
1. User Terminal Equipment
2. Cable Television Distribution System Equipment
3. Cable Television Associated Equipment
V. Professional Audio Record, Video Record and Playback Equipment
   1. Audio Frequency Power Amplification Device
   2. Recording Repeater
   3. Dedicated Phonograph
   4. Voice and Language Laboratory Equipment

VI. Video Recording and Playback Device
   1. Television Compact Disc Playback Device
   2. Video Tape Recorder
   3. Video, Audio Frequency Coder

VII. Broadcast and Television Receiving Equipment Fittings and Accessories
   1. Audio Frequency Electronic Amplifier
   2. Pick-Up
   3. Magnetic Head
   4. Transmitter (Speaker)
   5. Microphone
   6. Earphone
   7. Combined Speaker Set - Amplifier
   8. Other Accessories
   9. Definite Purposed Antenna
   10. Antenna Generator
   11. Antenna Rotor
   12. Mixer
   13. Allotter
   14. Splitter
   15. User Box

Application Television Device and Other Broadcast and Television Devices
I. Application Television Device
   1. Universal Application Television Device
   2. Specific Environment Application Television Monitoring Device
   3. Specific Function Application Television Device
   4. Specific Type Application Television Device

II. Other Broadcast and Television Devices
   1. Relief Television Equipment
   2. Multiplex Broadcasting Equipment
   3. Big Screen Color Display System
   4. Electronic Display Screen
   5. Touch Screen

Computer Industry Products

Complete Set of Electronic Computers
I. Large or Medium-Scale Computer Work Station
   1. Large or Medium-Scale Computer (Note 1)
2. Mini Computer (Note 2)
3. Work Station

II. Personal Computer Equipment
   1. Desktop Personal Computer
      i. Business Personal Computer
      ii. Household Personal Computer
   2. Server
   3. Industrial Computer
   4. Portable Personal Computer
      i. Notebook PC
      ii. Palmtop Computer
   5. Learning Machine
   6. Hand Held Information Terminal
      i. Personal Digital Assistant (PDA)
      ii. Electronic Instant-Dictionary
      iii. Electronic Notepad
      iv. Electronic Dictionary

Computer Network Facility Industry
I. Network Controlling Device
   i. Communications Controlling Processor
   ii. Concentrator
   iii. Final Controller
II. Network Interface and Adapter
   i. Network Transceiver
   ii. Network Transponder
   iii. Network Allotter
   iv. Ethernet Exchanger
III. Network Connecting Device
   i. Hub
   ii. Modem
   iii. Network Phone (Internet Protocol Phone)
   iv. Router
   v. Firewall (Excludes the Software Firewall)
IV. Network Testing Device
   i. Protocol Analyzer
   ii. Protocol Test Equipment
   iii. Error Detecting Device

Electronic Computer External Device
I. Display Terminal Device
   1. Chinese Character Display Terminal
   2. Graphic and Image Display Terminal
3. Display
   i. Monochrome Display (CRT) (Includes Displays for Application Television)
   ii. Color Display (CRT) (Includes Displays for Application Television)
   iii. Flat Panel Display (Includes Liquid Crystal, PDP etc.)

II. Input Device
   1. Plotter
   2. Digitizer
   3. Scanner
   4. Mouse
   5. Keyboard
   6. IC Card Read and Write Device
   7. Digital Camera
   8. Magnetic Card Read and Write Device
   9. Digital Pick Up Head

III. Output Device
   1. Printing Device
      i. Stylus Printer
         a. Universal Stylus Printer
         b. Ticket Printer
         c. Line Printer
      ii. Laser Printer
      iii. Ink Jet Printer
      iv. Multifunction Printer
   2. Audio Output Device
   3. Image and Graphic Output Device

IV. External Memory Device
   1. Floppy Disk Drive
      i. Common Floppy Disk Drive
      ii. High Capacity Floppy Disk Drive
   2. Hard Disk Drive
      i. Hard Disk Drive
      ii. Disk Array
      iii. Mobile Hard Disk
      iv. Mini Mobile Hard Disk (U Disk)
   3. CD Disk Drive
      i. Compact Disc Read-Only Memory Driver (CD-ROM)
      ii. Digital Versatile Disc Read-Only Memory Driver (DVD-ROM)
      iii. Digital Versatile Disc Rewritable Driver (DVD-RW)
      iv. MO Driver
      v. PD Driver
      vi. Other Compact Disc Drivers
   4. Tape Transport

V. Digital Information Product
1. Digital Memory, Record/Play Products
2. Public Information Automatic Service System
3. Other

**Electronic Computer Associated Products and Materials**

I. Boards and Cards for Microprocessors
   1. Microprocessor Motherboard
   2. Memory Bank
   3. Sound Card
   4. Display Card
   5. Network Card
   6. Other Functional Cards and Interface Cards

II. Power Supply
   1. Power Switch
   2. UPS Power Supply

III. Other Associated Products and Consumable Materials
   1. Cabinet
   2. Floppy Disk
   3. Compact Disc
   4. Printer Head
   5. Ink Cartridge
   6. Magnetic Card
   7. IC Card
   8. Ribbon
   9. Drum

**Electronic Computer Application Products**

I. Electronic Publishing System
   1. Professional Image-setting System
   2. Quickprint System

II. Computer Assisted Instruction System

III. Calculator

IV. Electronic Application Products for Finance, Commerce, Taxation Affairs
   1. Automatic Banknote Machine
   2. Coin Counting Machine
   3. Recounting Machine
   4. Automatic Teller Machine (ATM)
   5. Finance Self-Service Online Terminal
   6. POS Machine
   7. Tax Control Meter for Fueling Machine
   8. Tax Control Meter for Taxi
   9. Other Finance Application Products

V. Other Application Products
1. Computer Controlling Bus Station Announcer
2. Car Video Equipment
3. Phone Bill Metering Apparatus
4. Other Computer Application Products

Household Electronic Products

Television
1. Television
   i. Color Television
      a. 37 cm
      b. 44 cm
      c. 47 cm
      d. 49 cm
      e. 51 cm
      f. 53 cm
      g. 56 cm
      h. 64 cm
      i. 74 cm
      j. More Than 74 cm
2. Projection Television Receiver
   i. Rear-Projection Television
   ii. Front-Projection Television
3. PDP Television
4. Black and White TV Set
   i. 11 cm
   ii. 14 cm
   iii. 31 cm
   iv. 35 cm
   v. 44 cm
   vi. More Than 44 cm
5. LCD Television

Vidicon, Video Cassette Recorder and Laser Compact Disc Player
I. Video Cassette Recorder
   1. Video Recorder / Player
   2. Video Player
   3. Household Video Recorder / Player
II. Radio Record Player
   1. Mini Player (Excludes Record Player)
   2. Radio Record Player (Includes Record Player)
   3. Cyclic Player
III. Digital Laser, Audio and Video Compact Disc Player
   1. VCD Player
2. VCD Recorder / Player
3. DVD Audio Player
4. DVD Video Player
5. DVD Video Recorder / Player
6. Compact Disc Recorder (Includes CD-R and DVD-R)
7. Compact Disc Rewritable Recorder (As Above)

Household Electronic Acoustics Appliance
I. Household Acoustics Appliance
   1. Radio Set
      i. Mini Radio Set
      ii. Other
   2. Music Center
   3. MP3, MP4 Player
   4. CD Player
   5. Power Amplifier
II. Car Electronic Acoustics Appliance
III. Main Fittings and Accessories for Household Electronics and Electrical Appliance
   1. Tuner
      i. Electronic Tuner
      ii. Mechanical Tuner
   2. Line Output Transformer
   3. Deflecting Coil
   4. Core for Audio Recorder and Video Recorder
      i. Audio Recorder Core
      ii. Video Recorder Core
      iii. Compact Disc Player Core
      iv. Core for Video Compact Disc and Digital Video Disc Player
   5. Magnetic Head
      i. Recording Head
      ii. Video Head
      iii. Hard Disk Driver Magnetic Head
      iv. Floppy Disk Driver Magnetic Head
      v. Tape Drive Magnetic Head
      vi. Other Magnetic Heads
   6. Optical Head
      i. Optical Head for Audio Player
      ii. Optical Head for Video Player
      iii. Optical Head for Read-Only Memory (ROM)
      iv. Optical Head for Laser Recorder
      v. Other
   7. Antenna
      i. Whip Antenna
ii. Indoor Aerial
iii. Other

8. Magnetic Tape
   i. Audio Tape
   ii. Video Tape

9. Audio and Video Compact Disc
   i. Laser Audio Compact Disc (CD)
   ii. Laser Video Compact Disc (VCD)
   iii. Laser Digital Video Compact Disc (DVD)
   iv. Other

10. Magnetic Drum for Audio and Video Recorder

11. Switch Power for VCD and DVD Players

12. Television Receiver Set-Top Box
   i. Cable TV Set-Top Box
   ii. Ground Broadcasting Set-Top Box
   iii. Satellite Broadcasting Set-Top Box

**Electronic Measuring Instrument Products**

**Electronic Measuring Instrument**

I. Frequency Measuring Instrument
   1. Digital Pulse Frequency Meter
   2. Simulation Frequency Meter
   3. Counter
   4. Counter Spread Spectrum Device
   5. Time Measuring Apparatus
   6. Special Type Counter
   7. Frequency Standard
   8. Frequency/Phase Comparator

II. Voltage Measuring Apparatus
   1. Oscillograph
      Including: Digital High Frequency Voltmeter
   2. Digital Multimeter
   3. Voltage Source Standard Device
   4. Simulation Voltmeter
      Including: Digital High Frequency Voltmeter
   5. Digital Panel Meter
   6. Other

III. Oscillograph
   1. Digital Readout and Digital Store Oscillograph
   2. Universal Oscillograph
   3. Sampling, Storage and Memory Oscillograph
   4. Other Oscillograph Logic Analyzer
5. Dedicated Oscillograph
6. Oscillograph Regulator

IV. Device Parameter Measuring Apparatus
1. Digital IC Tester
2. Mixing IC Tester
3. Photoelectric Device Tester
4. Power Electronic Device Tester
5. Semiconductor Device Graphic Instrument
6. Other

V. Element Parameter Measuring Apparatus

VI. Pulse Measuring Apparatus

VII. Scan, Frequency Spectrum Waveform Analyzer
1. Sweep Generator
2. Spectrum Analyzer
3. Distortion Degree Measuring Apparatus
4. Frequency Deviation Modulation Measuring Instrument
5. Phase Shifter
6. Other

VIII. Microwave Measuring Apparatus
1. Network Characteristic Tester and Network Analyzer
2. Radar Combination Tool
3. Microwave Power Amplifier
4. Microwave Leakage Tester
5. Other Microwave Instruments
6. Microwave Measuring Instrument Components
   i. Microwave Attenuator
   ii. Microwave Filter
   iii. Waveguide
   iv. Other Microwave Elements

IX. Communications Measuring Instrument
1. Carrier Communications Measuring Apparatus
2. PDH / SDH Transmission Analyzer
3. Analog / Digital Mobile Communications Base and Mobile Station

X. Broadcast and Television Measuring Instrument

XI. Ultra Low Frequency Measuring Apparatus
1. Ultra Low Frequency Signal Analyzer
2. Frequency Response Analyzer
3. Ultra Low Frequency Generator
4. Voltmeter
5. Filter and Amplifier
6. Phase Meter
7. Other

XII. Acoustical Measuring Instrument
1. Power Supply, Sonic Boom Signal Generator
2. Sound Level Meter
3. Frequency Multiplication Filter
4. Electroacoustic Generator
5. Vibration Pulse Shock Measuring Instrument
6. Sound Vibration Calibration Device
7. Sonic Boom Carpet Whole Set
8. Other Sonic Devices

XIII. Interference Field Strength Meter
1. Interference Field Strength Meter
2. Testing Receiver
3. Other Measuring Instruments

XIV. Stabilized Voltage Power Supply
1. Direct Current Stabilized Voltage Power Supply
2. Alternating Current Stabilized Voltage Power Supply
3. Stabilized Current and Voltage Power Supply
4. High Reliable Elements, Measuring Preparing Power Supply
5. Klystron Power Supply
6. Pulse Power Supply
7. Inverter Power Supply
8. Laser Power Supply
9. Emergency Power Supply
10. Other Power Supplies

XV. Recorder and Display
1. Recorder
2. Display

XVI. Signal Generator
1. Low Frequency Signal Generator
2. High Frequency Signal Generator
3. Ultra High Frequency Signal Generator
4. Microwave Signal Generator
5. Power Signal Generator
6. Scan Signal Generator
7. Frequency Synthesizer Signal Generator
8. Power Amplifiers
9. Digital Signal Generator
10. Other

XVII. Power Meter
1. Small Power Meter
2. Medium Power Meter
3. High Power Meter
4. Pulse Power Meter
5. Laser Power Meter
XVIII. Other Measure Instrument
1. Crystal Oscillator
2. Breakdown Device
3. Standard Inductor Capacitor Resistor
4. Heat Distribution Map Meter
5. Air Target Trainer
6. Solderability Tester
7. Laser Distance Measuring Instrument
8. Hydroacoustic Device
9. Atom Radial Instrument
10. Meteorological Instruments

Electronic Industry Dedicated Equipment and Products

Electronic Industry Dedicated Equipment

I. Semiconductor Device and Integrated Circuit Dedicated Equipment
   1. Semiconductor Preparation, Epitaxy and Chemico-Mechanical Polishing
   2. Exposure, Corrosion, Gel Homogeneity and Developing Equipment
   3. Diffusion, Ion Implantation and Quick Heat Treatment Equipment
   4. Chemical, Physical, Vapor Disposition and Copper Plating Equipment
   5. Subsequent Assembling and Package Producing Equipment
   6. Online Process Testing Equipment
   7. Intermediate and End Product Testing Equipment
   8. Other

II. Electronic Vacuum Device Dedicated Equipment
   1. Electron Tube Producing Equipment
   2. Electric Light Source Producing Equipment
   3. Liquid Crystal Display Device Producing Equipment
   4. Vacuum Switching Tube Producing Equipment
   5. Kinescope and Electron Gun Producing Equipment
   6. Other

III. Electronic Elements Dedicated Equipment
   1. Resistor, Potentiometer Producing Equipment
   2. Capacitor Producing Equipment
   3. Ceramic Elements Producing Equipment
   4. Magnetic Materials and Elements Producing Equipment
   5. Printed Circuit Board Producing Equipment
   6. Cable Producing Equipment
   7. Sensing Elements and Devices, and Sensor Producing Equipment
   8. Frequency Elements and Devices Producing Equipment
   9. Green Battery Producing Equipment
   10. Other

IV. Electronic Components Assembling Equipment
1. Automatic Slice Inserting Machine  
2. Automatic Chip Mounter Machine  
3. Assembly Production Line  
4. Wave-Soldering and Reflow Welding Device  
5. Surface Mount Printing Equipment  
6. Other  

V. Electronic Universal Equipment  
1. Vacuum Obtaining Equipment  
2. Ultrasonic Wave Equipment  
3. Precision Welding Equipment  
4. Drying Equipment  
5. Air Conditioner  
6. Plastic Processing Equipment  
7. Electronic Machining Equipment  
8. Presswork Equipment  
9. Precision Electronic Silk Screen Printing Equipment  
10. Anti Static Series Products  
11. Cleaning Equipment  
12. Other  

Electronic Industry Mold and Gear  
I. Electronic Industry Mold and Gear  
1. Mold  
2. Die Carrier  
3. Mold Standard Component  
4. Pneumatic Tool  
5. Electric Tool  
6. Soldering Tool  

Electronic Element Products  

Electronic Element and Component  
I. Capacitor  
1. Paper Capacitor  
   i. Metallizing and Metal Foil Paper Capacitor  
   ii. Paper Based Composite Dielectric Capacitor  
2. Film Capacitor  
   i. Polyester Film Capacitor  
   ii. Polypropylene Film Capacitor  
   iii. Polystyrene Capacitor  
   iv. Polycarbonate Capacitor  
   v. Polytetrafluoroethylene Capacitor
vi. Polyimide Capacitor
vii. Chip Organic Dielectric Capacitor
viii. Other Organic Dielectric Film Capacitor

3. Ceramic Capacitor
   i. Low Voltage Ceramic Capacitor (Lower Than 500V)
   ii. High Voltage Ceramic Capacitor (Higher Than 500V)
   iii. Alternating Current Ceramic Capacitor
   iv. Ceramic Chip Capacitor

4. Double Electric Layer Capacitor
5. Foil Mica Capacitor
6. Glass Glaze Capacitor
7. Aluminum Electrolytic Capacitor
   Including: Chip Aluminum Electrolytic Capacitor
8. Tantalum Electrolytic Capacitor
   Including: Chip Tantalum Electrolytic Capacitor
9. Columbium Electrolytic Capacitor
10. Other Electrolytic Capacitors
11. Variable Capacitor
   i. Air Variable Capacitor
   ii. Film Variable Capacitor
   iii. Glass Glaze Trimmer Capacitor
   iv. Magnetism Trimmer Variable Capacitor

12. Vacuum Capacitor
   i. Fixed Glass, Ceramic Vacuum Capacitor
   ii. Variable Vacuum Capacitor
   iii. Fine Adjustment Vacuum Capacitor
   iv. Other Vacuum Capacitors

13. Other Capacitors
14. Capacitor Network

II. Resistors and Potentiometers
1. Fixed Resistor
   i. Carbon Film Resistor
   ii. Metal Film Resistor
   iii. Metal Oxide Film Resistor
   iv. Glass Glaze Resistor
   v. Wire Wound Resistor
   vi. Compound Film Resistor
   vii. Solid Resistor
   viii. Glaze Resistor
   ix. Chip Resistor
   x. Fusible Resistor
   xi. Microstrip Resistor
   xii. Other Resistors
2. Potentiometer
   i. Wire Wound Potentiometer
   ii. Carbon Film Potentiometer
   iii. Solid Core Potentiometer
   iv. Glass Glaze Potentiometer
   v. Metal Film Potentiometer
   vi. Conductive Plastic Potentiometer
   vii. Chip Potentiometer
   viii. Preset Potentiometer
   ix. Sensitive Potentiometer
   x. High Voltage Focus Potentiometer

3. Resistance Attenuator

4. Other Resistors, Potentiometers

5. Resistive Network

III. Electrical Connector Element

1. Low Frequency Connector
   i. Circular Connector
   ii. Rectangle Connector
   iii. Printed Circuit Connector
   iv. Bar Connector
   v. Ribbon Cable Connector
   vi. Plug Jack
   vii. Chip Low Frequency Connector
   viii. Other Low Frequency Connectors
   ix. Low Frequency Connector Cable Set

2. Radio Frequency Connector
   i. Universal Radio Frequency Connector
   ii. High Power Pulse and High Pressure Radio Frequency Connector
   iii. Chip Radio Frequency Connector
   iv. Other Radio Frequency Connectors
   v. Radio Frequency Connector Cable Components

3. Optical Cable Connector

4. Other Connectors

5. Switch
   i. Rotary Switch
   ii. Push Button Switch
   iii. Assembled Push-Button Switch
   iv. Keyboard Switch
   v. Tiny Switch
   vi. Button Switch
   vii. Dual In-Line Package Switch
   viii. Sliding Switch
   ix. Membrane Switch
x. Leaf Switch  
xi. Light Passive Components  
 xii. Other Switches  

6. Base (Plug in Type)  
i. Integrated Circuit Jack  
ii. Semiconductor Discrete Device Jack  
iii. Kinescope Jack  
iv. Resistance Tube Jack (Includes Metal and Ceramic Tubes)  
v. Relay Jack  
vi. Resonator Jack  
vii. Battery Jack  
viii. Other Electronic Element Jacks  

IV. Control Elements  

1. Relay  
i. Direct Current Electromagnetic Relay  
ii. Magnetic Latching Relay  
iii. Polarized Relay  
iv. Alternating Current Electromagnetic Relay  
v. Temperature Relay  
vi. Coaxial Relay  
vii. High Frequency Relay  
viii. Vacuum Relay  
ix. Solid State Relay  
x. Dry Reed Relay  
xi. Mercury Reed Relay  
xii. Time Delay Relay  
xiii. Contact Relay  
xiv. Car Relay  
xv. Chip Relay  
xvi. Other Relays  

2. Chopper  

3. Sensor  

V. Magnetic Material Inductance Transformer  

1. Metal Soft Magnetic Element  
i. ALSiFe Powder Core  
ii. Fe-C Powder Core  
iii. FeNiMo Powder Core  

2. Ferrite Soft Magnetic Element  
i. Screw-Shaped Magnetic Core  
ii. Box-Shaped Magnetic Core  
iii. E-Shaped Magnetic Core (EC, EI, ELD-Type)  
iv. U-Shaped Magnetic Core  
v. Cup-Shaped Magnetic Core
vi. Tube Magnetic Core  
vii. Column Magnetic Core  
viii. Pot Magnetic Core (Includes Diamond-Shaped, X-Shaped, Rectangle-Shaped)  
ix. Toroid Magnetic Core  
x. Intermediate Frequency Transformer Magnetic Core  
xi. Deflecting Magnetic Core  
 xii. Double-hole, Multi-hole Magnetic Core  
xiii. Antenna Magnetic Core  
xiv. Other Magnetic Cores  

3. Ferrite Permanent Magnetic Element  
i. Barium Ferrite Permanent Magnetic Element  
ii. Strontium Ferrite Permanent Magnetic Element  
iii. Tile Magnet for Motor  
iv. Bonded Ferrite Element  

4. Permanent-Magnetic Alloy  
i. Aluminum Nickel Cobalt Magnet Steel  
ii. Mishima Magnet Steel  
iii. Samarium Cobalt Magnet Steel (Includes Samarium Praseodymium Cobalt Magnet Steel)  
iv. Neodymium, Iron and Boron Permanent Magnet  
v. Bonded Thulium Permanent Magnet  
vi. Other Alloy Permanent Magnet  

5. Inductor  
i. Variable Inductor  
ii. Fixed and Color Code Inductor  
iii. Series Multilayer Chip Inductor  
iv. Wire Wound Chip Inductor  
v. LC Filter  

6. Microwave Device  
i. Microwave Ferrite Single Crystal Oscillator  
ii. Microwave Ferrite Circulator  
iii. Microwave Ferrite Isolator  
iv. Microwave Ferrite Amplitude Limiter  
v. Microwave Ferrite Filter  
vi. Microwave Ferrite Switch  
vii. Other Microwave Magnetism Devices  

7. Electronic Transformer  
i. Medium Frequency Transformer  
ii. Audio Frequency Transformer  
iii. Pulse Transformer  
iv. Power Transformer  
v. Switching Mode Power Supply Transformer  
vi. Chip Transformer
vii. Other Electronic Transformers

8. Coil
   i. Degaussing Coil
   ii. Other Coils

VI. Electroacoustic Device
   1. Communications Electroacoustic Device
      i. Telephone Transmitter
      ii. Receiver
      iii. Assembly Parts
   2. Microphone
      i. Capacitor Microphone
      ii. Moving Coil Microphone
      iii. Electret Microphone
      iv. Wireless Microphone
      v. Other Microphones
   3. Speaker
      i. Horn Speaker
      ii. Direct Radiation Speaker
      iii. Dome Speaker
      iv. Car Speaker
      v. Other Speakers
   4. Sound Box and Column for Speaker
      i. Sound Column Speaker
      ii. Speaker for Movie Player
      iii. Household Speaker
      iv. High Fidelity Speaker
      v. Monitoring Speaker
      vi. Computer Speaker
      vii. Other Speakers
   5. Earphone
      i. Broad Band High Fidelity Stereophonic Headphone
      ii. Stereophonic Headphone
      iii. Non-stereophonic Headphone
      iv. Mini-size Stereophonic Headphone
      v. Earplug
      vi. Infrared Earphone
   6. Pick-Up
   7. Buzzer
   8. Buzzer Sheet

VII. Element for Frequency Control and Selection
   1. Piezoelectric Ceramic and Frequency Element
      i. Piezoelectric Ceramic Filter
      ii. Piezoelectric Ceramic Resonator
Piezoelectric Ceramic Discriminator

Chips Piezoelectric Ceramic Device

Tuning fork

Surface Acoustic Wave Filter

Surface Acoustic Wave Oscillator

Chip Surface Wave Device

Microwave Medium Device

Various Types of Delay Lines

Piezoelectric Quartz Crystal Device

Piezoelectric Quartz Crystal Resonator

Piezoelectric Quartz Crystal Filter

Piezoelectric Quartz Crystal Oscillator

Chip Piezoelectric Quartz Crystal Device

Electronic Ceramic Part

Carbon Film Resistance Ceramic Part

Metal Film Resistance Ceramic Part

Capacitor Ceramic Part

Alumina Ceramic Part

Beryllium Oxide Ceramic Part

Ceramic and Glass Insulator

Other Ceramic Parts

Ceramic Substrate for Chip Resistor

Ceramic Substrate for Thick Film Integrated Circuit

Ceramic Substrate for Potentiometer

Other

Panel Element

Absorber

Selenium Pile and Selenium Slice

Fastener

Quartz Crystal Device and Relay Package or Tube Socket

Electroacoustic Components and Parts

Electronic Printed Circuit Board

Single-Sided Printed Circuit Board

Double-Sided Printed Circuit Board

Multilayer Printed Circuit Board

Flexible Printed Circuit Board

Rigid and Flexible Printed Circuit Board

Carbon Film Printed Circuit Board

Sensing Element and Sensor
I. Sensing Element
   1. Force Sensor
   2. Voltage Dependent Resistor
   3. Optical Sensor
   4. Temperature Sensor
   5. Magnetism Sensor
   6. Humidity-Dependent Sensor
   7. Gas Sensor
      Electronic Plastic Part (I3070)
      Electronic Plastic Part

**Vacuum Electron Device**

I. Electron Tube
   1. Receiving Amplifier Tube
      i. Filamentary Miniature Tube
      ii. Cathode Heater Bantam Tube
      iii. Frame Grid Bantam Tube
      iv. Subminiature Tube
      v. Octal Tube
      vi. Peanut Tube
   2. Loctal Tube
   3. Transmitting Tube
      i. Medium and Small Power Glass Transmitting Tube
      ii. Medium and Small Power Ceramic Transmitting Tube
      iii. High Power Glass Transmitting Tube
      iv. High Power Ceramic Transmitting Tube
      v. Modulation Valve
   4. Ultra High Frequency Tube
      i. Magnetron
      ii. Microwave Gas Discharge Tube
      iii. Klystron
      iv. Backward Wave Tube
      v. Traveling Wave Tube
      vi. Noise Tube
      vii. Lighthouse Tube
      viii. Small Ceramic Tube
      ix. Pencil Tube
      x. Antenna Switch Tube
      xi. Solid Discharge Tube
   5. Stabilizer Tube
      i. Voltage Regulator Tube
      ii. Anemostat
iii. Fixed Amplitude Tube

II. Electron Beam Tube

1. White and Black Kinescope
   i. Less Than 31 cm
   ii. 31 cm
   iii. 35 cm
   iv. 44 cm
   v. More Than 44 cm

2. Color Picture Tube
   i. 37 cm
   ii. 47 cm
   iii. 49 cm
   iv. 51 cm
   v. 54 cm
   vi. 56 cm
   vii. 64 cm
   viii. 74 cm
   ix. Other

3. Other Electron Beam Tubes
   i. Projection Tube
   ii. Monitoring Tube (Display Tube)
   iii. Oscilloscope Tube
   iv. Storage Tube
   v. Pulse Forming Tube
   vi. Flying Spot Tube

4. Ionic Tube
   i. Thyratron
   ii. Rectifying Valve
   iii. Discharge Tube
   iv. Decade Counter Tube
   v. Cold Cathode Trigger Tube
   vi. Ultraviolet Light Sensing Tube

5. Laser Counter Tube

6. X-Ray Tube
   i. Medical X-Ray Tube
   ii. Industry X-Ray Tube
   iii. Rotary Anode X Ray Tube

7. Vacuum Switching Tube
   i. High and Medium Pressure Vacuum Switching Tube (3-36 KV)
   ii. Low Pressure Vacuum Switching Tube (Less Than 3 KV)

8. Other Electronic Vacuum Devices

9. Kinescope Fittings
   i. Parts for Black and White Color Picture Tube Electron Gun
ii. Parts for Color Picture Tube Electron Gun
iii. Glass Bulb for Black and White Kinescope
   a. Less Than 31 cm
   b. 31 cm
   c. 35 cm
   d. 44 cm
   e. Other
iv. Glass Bulb for Color Picture Tube
   i. 37 cm
   ii. 47 cm
   iii. 49 cm
   iv. 51 cm
   v. 54 cm
   vi. 56 cm
   vii. 64 cm
   viii. 74 cm
   ix. Other
v. Shadow Mask for Color Picture Tube
   i. 37 cm
   ii. 47 cm
   iii. 49 cm
   iv. 51 cm
   v. 54 cm
   vi. 56 cm
   vii. 64 cm
   viii. 74 cm
   ix. Other

III. Electric Light Source
   1. High Pressure Sodium Vapor Lamp
   2. Halogen Lamp
   3. Lamp for Car
   4. Fluorescent Lamp
   5. Electricity Saving Lamp
   6. Other

Photoelectric Device and Other Electronic Device
I. Display Module
   1. PDP
   2. LCD
II. Electron Beam Photoelectric Device
   1. Photoelectric Cell
   2. Photomultiplier
   3. X-Ray Image Intensifier Tube
4. Electron Multiplier Tube
5. Pickup Tube
6. Photoelectric Image Device

III. Electric Vacuum Photoelectron Device
1. Displaying Device
2. Illuminating Device
3. Photosensing Device
4. Photoelectric Coupling Device
5. Infrared Device
6. Laser Device

IV. Semiconductor Photoelectric Device
1. Photoelectric Coupling Device
   i. Charge Coupled Device (CCD)
   ii. Other Photoelectric Coupling Devices
2. Photoelectric Detecting Device
   i. Photodiode
   ii. Phototriode
   iii. Other Photoelectric Detecting Devices
3. Light Emitting Diode
   i. Infrared Light Emitting Diode
   ii. Red Light Emitting Diode
   iii. Yellow Light Emitting Diode
   iv. Orange Light Emitting Diode
   v. Green Light Emitting Diode
   vi. Blue Light Emitting Diode
   vii. Digitron Components
   viii. Other Light Emitting Diodes
4. Laser Device
   i. Semiconductor Laser Device
   ii. Solid State Laser Device
   iii. Other Laser Devices

V. Photo Communications Device
1. Photo Communications Active Device
2. Other Photo Communications Devices

VI. Other Semiconductor Photoelectric Devices

Semiconductor Discrete Device
I. Semiconductor Diode
   1. Germanium Diode
   2. Silicon Diode
      i. Silicon Commutate Diode
      ii. Silicon Switch Diode
      iii. Silicon Steady Press Diode
iv. High Voltage Silicon Stack  
v. Bridge Rectifier  
vi. Variable Capacitance Diode  
vii. Silica Booster Back Pulse Diode  
viii. Mixer Detector Diode  
ix. Schottky Diode  
x. Avalanche Diode  
xi. Microwave Diode  
 xii. Solid Discharge Diode  
 xiii. Other Silica Diodes

3. Compound Diode  
i. Gallium Arsenide Variable Capacitance Diode  
ii. Gallium Arsenide Switch Tube  
iii. Gallium Arsenide Bulk Effect Diode  
iv. Gallium Arsenide Tunnel Diode  
v. Gallium Arsenide Mixer Diode  
vi. Phosphor Gallium Arsenide Microwave Tube  
vii. Diode Stack  
 viii. Other Compound Diodes

4. Other Diodes

II. Semiconductor Triodes

1. Germanium Triode  
i. Germanium High Frequency Low Power Tube  
ii. Germanium Triode

2. Silicon Triodes  
i. Silicon High Frequency Low Power Triode  
ii. Silicon Transwitch Triodes  
iii. Silicon Low Frequency High Power Triodes  
iv. Silicon High Frequency High Power Triodes  
v. Silicon High Counter Voltage Power Tube  
vi. Darlington Tube  
vii. Field Effect Tube  
viii. Silicon Microwave Power Tube  
ix. Silicon Microwave Low Noise Tube  
x. Thyristor Unit  
 xi. Other Silicon Triodes

3. Compound Triodes  
i. Gallium Arsenide Microwave Field Effect Tube  
ii. Other Compound Triodes

III. Special Type Devices and Sensors

1. Sensitive Devices and Sensors  
i. Pressure Sensitive Device and Sensor  
 ii. Magnet Sensitive Device (Include Hall Device and Hall Circuit)
iii. Gas Sensitive Device and Sensor
iv. Humidity Sensitive Device and Sensor
v. Ion Sensitive Device
vi. Sound Sensitive Device
vii. Ray Sensitive Device
viii. BioSensor Device
ix. Electrostatic Sensor Device
x. Other Sensitive Devices

2. Other Devices
i. Semiconductor Freezing Device
ii. Other Devices

IV. Power Semiconductor Device (More Than 5 A)
1. Rectifier Diode
2. General Thyristor
3. Bidirectional Thyristor
4. High Speed Thyristor
5. High Frequency Thyristor
6. Giant Transistor (GTR)
7. Gate Turn-Off Thyristor (GTO)
8. Thyristor Module
9. Insulated Gate Bipolar Transistor, (IGBT)
10. Power MOS Field Effect Tube
11. Solid State Relay Module
12. Static Induction Transistor Device (SIT)
13. Other Power Semiconductor Device

Integrated Circuit

I. Integrated Circuit
Including: Large-Scale Integrated Circuit
1. Bipolar Digital Circuit
   i. TTL Circuit
      a. SLTTL Circuit
      b. Other TTL Circuits
   ii. ECL Circuit
   iii. Gate Array Circuit
   iv. Other Bipolar Digital Circuit
2. MOS Digital Circuit
   Including: Large Scale MOS Digital Circuit
   i. CMOS Circuit
   ii. NMOS Circuit
   iii. BICMOS Circuit
   iv. Gate Array Circuit
3. Interface Circuit
Including: Large Scale Interface Circuit
  i. Switching Circuit (A/D, D/A, V/F, F/V etc.)
  ii. Driver Circuit

4. Artificial Circuit
  i. Operational Amplifier
  ii. Voltage Comparator
  iii. Time Base Circuit
  iv. Phase Locking Cyclic Circuit
  v. Pulse Width Modulator
  vi. Other Artificial Circuits

5. Power Supply Circuit
  i. Common Voltage Stabilizing Circuit
  ii. Switch Power Supply Control Circuit
  iii. DC-DC Converter
  iv. Other Power Supply Circuits

6. Dedicated Circuit
Including: Large Scale Dedicated Circuit
  i. Television Circuit
     a. Black and White Television Circuit
     b. Color Television Circuit
  ii. Acoustics Circuit
  iii. Electronic Clock Circuit
  iv. Electronic Toy Circuit
  v. Circuit for Motor Speed Controller
  vi. Tele-operator Transmitting and Receiving Circuit
  vii. Dedicated Circuit for Household Electrical Appliance
  viii. Display Driver Circuit
  ix. Calculator Circuit
  x. Communications Circuit
     a. Mobile Communications Mobile Telephone Circuit
     b. Mobile Communications BP Circuit
     c. Fixed Communications Switch Circuit
     d. Mobile Communications Base Station and Switch Circuit
     e. Optical Communications Circuit
     f. Telephone Set Circuit
     g. Other Communications Circuits
  xi. Automobile Dedicated Circuit
  xii. Digital Audio and Video Circuit
      a. Circuit for Image Compression Decompress
      b. CMOS Transistor Videotape Chip
      c. Image Processing Circuit
      d. Other Digital Audio and Video Circuits
  xiii. Smart Card Dedicated Circuit
xiv. Other

7. Storage Unit Circuit
8. Computer Circuit
   i. Universal Central Processing Unit (CPU)
   ii. Flush-bonding Central Processing Unit
   iii. Micro Control Unit (MCU)
   iv. Chip Set and Interface Circuit
   v. Peripheral Equipment Circuit
   vi. Other Computer Circuits

9. Digital Signal Processor (DSP)

10. Microwave Integrated Circuit
    i. Microwave Monolithic Integrated Circuit
    ii. Microwave and Millimeter Wave Hybrid Integrated Circuit
    iii. Other Microwave Integrated Circuits

11. Hybrid Integrated Circuit
    i. Thin Film Hybrid Integrated Circuit
    ii. Thick Film Hybrid Integrated Circuit

12. Sensor Circuit
    i. Pressure Sensor Circuit
    ii. Other Sensor Circuits

13. Integrated Circuit Chip
    i. Integrated Circuit Chip
    ii. Other Integrated Circuit Chips

**Micro and Special Motor**

1. Dedicated Micro and Special Motor
   i. Motor for Electrograph and Tele-printer
   ii. Motor for Phonograph (CD Phonograph, Record Player)
   iii. Motor for Computer Peripheral Equipment
   iv. Motor for Duplicating Machine
   v. Motor for Video and Laser Player
   vi. Micro Vibrating Motor for Mobile Telephone and Beep Pager
   vii. Motor for Audio Recorder

2. Generator
   i. Hand Generator Set
   ii. Changing Frequency and Current Generator
   iii. Generating Set

3. Other Generators
   i. Washing Machine Motor
   ii. Fan Motor
   iii. Compressor Motor

**Electronic Wire and Cable**
I. Installing Wire and Cable
   1. Installing Wire
   2. Installing Cable
   3. Ribbon Cable
   4. Spring Wire for Telephone and Computer
   5. Power Plug Wire

II. Radio Frequency Cable
   1. CATV Coaxial Cable
   2. Corrugated Outer Conductor Radio Frequency Cable
   3. RF Coaxial Cable
   4. Universal Radio Frequency Cable

III. Composite Cable

IV. Cable for Communications and Electronic Network
   1. Communications Cable for Military
   2. Telephone Communications Cable
   3. Monitoring and Communications Used In Underground Mining and Tunnels
   4. Cable for Computer Network

V. Other Wires and Cables

VI. Electronic Wire Material
   1. Electronic Device Lead
   2. Bare Copper Wire
   3. Copper-Clad Steel Wire
   4. Minuteness Enameled Wire (Less Than 0.6 mm)
   5. General Enameled Wire (More Than 0.6 mm)
   6. Cotton Covered Wire Lapped Wire
   7. Other Electronic Wire Material

Fiber Optical, Fiber Optical Cable

I. Fiber Optical
   1. Monomode Fiber
   2. Multimode Fiber
   3. Plastic Fiber

II. Fiber Optical Cable
   1. Special Type Fiber Optical Cable
   2. Common Fiber Optical Cable
   3. Ribbon Fiber Optical Cable
   4. Special Type Fiber Optical Cable
   5. Other Fiber Optical Cables

Battery

I. Alkaline Storage Battery
   1. Button Type Cadmium-Nickel Storage Battery
   2. Nickel Hydrogen Storage Battery
II. Lithium Storage Battery
   1. Liquid Lithium Ion Storage Battery
   2. Polymer Lithium Ion Storage Battery
   3. Other Lithium Storage Battery

III. Reserve Battery
   1. Silver Activating Battery
   2. Thermal Cell
   3. Lead Activating Battery
   4. Magnesium Reserve Battery
   5. Other Reserve Batteries

IV. Physical Power Source
   1. Silicon Solar Battery
   2. Gallium Arsenide Solar Battery
   3. Other Solar Batteries
   4. Thermoelectric Generator

V. Physical and Chemical Power Source System

VI. Storage Battery Charger

VII. Battery Dedicated Accessories
   1. Foam Nickel, Fiber Nickel Strip
   2. Cathode and Anode Strip for Nickel Hydrogen Battery
   3. Lithium Storage Battery Dedicated Accessories
   4. Other Battery Accessories

**Electronic Application Products**

**Household Electrical and Electronic Products**
   1. Electronic keyboard
   2. Electronic Game Player
   3. Microwave Oven
   4. Electromagnetism Stove
   5. Other

**Medical Electronic Device and Apparatus**
I. Medical Electronic Instrument and Device
   1. Instrument and Device for Heart, Brain, Muscle, Eye
   2. Oscillograph and Recording Instrument for Electrocardiograph and Physiology
   3. Monitoring Apparatus
   4. Cardiac Telemetry System
   5. Emergency Therapy Apparatus
   6. Blood Measuring Apparatus
   7. Gas Analysis Measuring Instrument
   8. Electronic Body Temperature and Pressure Measuring Device
II. Medical Ultrasonic Apparatus
   1. Diasonograph Apparatus
   2. Ultrasonic Therapeutic Apparatus
   3. Ultrasonic Transducer

III. Medical Laser Instrument and Apparatus
   1. Laser Diagnostic Instrument
   2. Laser Therapeutic Apparatus
   3. Laser Inspecting Apparatus

IV. Medical Biochemical Analytic Apparatus
   1. Separation and Preparation Apparatus
   2. Biochemical Analytic Apparatus

V. Medical High Frequency, Microwave, Radiation and Nuclide Apparatus
   1. Medical High Frequency Apparatus
   2. Medical Microwave Diagnostic, Therapeutic Instrument
   3. Medical Radiation Diagnostic, Therapeutic Apparatus
   4. Medical Nuclide Diagnostic, Therapeutic Apparatus

VI. Apparatus for Lunar Physics [traditional Chinese medicine apparatus]
   1. Diagnostic Instrument
   2. A Variety Of Electrotherapeutics, Magnetic Therapy, Phototherapy and Acupuncture
      Anesthetic Instrument

VII. Other Medical Electronics Instrument
   1. Medical Optical Instrument
   2. Extracorporeal Circulation Instrument
   3. Other

Electronic Dedicated Material Products

Electronic Element Material
I. Electronic Element Material
   1. Insulating Paper
   2. Cellulose Paper Copper Clad Laminates
   3. Woven Glass Fabric Copper Clad Laminates
   4. Electronic Optical Glass
   5. Dedicated Steel Wire
   6. Electrolytic Manganese Dioxide Powder
   7. Aluminum Foil Material for Capacitor
      i. Aluminum Foil
      ii. Polyester Film
      iii. Polypropylene Film
   8. Piezoelectric Material
      i. Lithium Niobate Single Crystal
      ii. Lithium Tantalate Single Crystal
      iii. Synthetic Quartz
9. Fiber Optical Prefabricated Stick

Vacuum Electronic Device Material
I. Vacuum Electronic Device Material
   1. Tungsten Manufactured Product
      i. Tungsten Wire
      ii. Tungsten Rod
      iii. Stranded Tungsten Wire Heater Element
      iv. Tungsten Sheet
   2. Molybdenum Manufacture
      i. Molybdenum Wire
      ii. Molybdenum Dry
      iii. Molybdenum Sheet
   3. Nickel-Based Alloy
      i. Nickel Wire
      ii. Nickel Strip
      iii. Nickel Tube
   4. Compound Metal Electronic Material
      i. Dumet Wire
      ii. Nickel Coated Metal Strip
   5. Contact Material
      Including: Copper Tungsten Alloy
   6. Glass for Electronic Vacuum Device
   7. Liquid Crystal Material
   8. Alloy Material
      i. Silver Copper Solder
      ii. Lead Tin Alloy Material
      iii. Gold Antimony Alloy Material
      iv. Other Alloy Materials
   9. Other Electronic Vacuum Materials

Semiconductor Material
I. Semiconductor Material
   1. Semiconductor Single Crystal
      i. Germanium Single Crystal
      ii. Silicon Single Crystal
      iii. Compound Single Crystal
   2. Semiconductor Sheet Material
      i. Semiconductor Polished Chip
      ii. Semiconductor Epiwafer
      iii. Other Semiconductor Materials
   3. Semiconductor Encapsulation Material
      i. Gold Bonding Wire
ii. Aluminum Silicon Bonding Wire  
iii. Metal Package for Encapsulation  
iv. Ceramic Shell Used for Encapsulation  
v. Plastic Package Lead Frame and Metal Strip for Discrete Devices  
vi. Plastic Package Lead Frame and Metal Strip for Integrated Circuit  
vii. Molding Material Powder and Auxiliary Material for Encapsulation  
viii. Other Semiconductor Encapsulation Material  

4. Photo Mask  
5. Quartz Product  

Chemical Material Incorporating Information Technology  

1. Chemical Material Incorporating Information Technology  
   1. Fluorescence Powder  
      i. Colored Fluorescence Powder  
      ii. Black and White Fluorescence Powder  
   2. Carbonate  
   3. Getter  
      i. Evaporable Type Getter  
      ii. Nonevaporable Type Getter  
      iii. Hydrargyrum and Titanium mixture  
   4. Photoresist