

ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS
AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS,
AND PARTS AND ACCESSORIES OF SUCH ARTICLES

Notes

1. This chapter does not cover:
 - (a) Electrically warmed blankets, bed pads, foot-muffs or the like; electrically warmed clothing, footwear or ear pads or other electrically warmed articles worn on or about the person;
 - (b) Articles of glass of heading 7011; or
 - (c) Electrically heated furniture of chapter 94.
2. Headings 8501 to 8504 do not apply to goods described in heading 8511, 8512, 8540, 8541 or 8542. However, metal tank mercury arc rectifiers remain classified in heading 8504.
3. Heading 8509 covers only the following electromechanical machines of the kind commonly used for domestic purposes:
 - (a) Vacuum cleaners, floor polishers, food grinders, processors or mixers, and fruit or vegetable juice extractors, of any weight;
 - (b) Other machines provided the weight of such machines does not exceed 20 kg, exclusive of extra interchangeable parts or detachable auxiliary devices.

The heading does not, however, apply to fans or ventilating or recycling hoods incorporating a fan, whether or not fitted with filters (heading 8414), centrifugal clothes dryers (heading 8421), dishwashing machines (heading 8422), household washing machines (heading 8450), roller or other ironing machines (heading 8420 or 8451), sewing machines (heading 8452), electric scissors (heading 8508) or to electrothermic appliances (heading 8516).

4. For the purposes of heading 8534 "printed circuits" are circuits obtained by forming on an insulating base, by any printing process (for example, embossing, plating-up, etching) or by the "film circuit" technique, conductor elements, contacts or other printed components (for example, inductances, resistors, capacitors) alone or interconnected according to a pre-established pattern, other than elements which can produce, rectify, modulate or amplify an electrical signal (for example, semiconductor elements).

The term "printed circuits" does not cover circuits combined with elements other than those obtained during the printing process. Printed circuits may, however, be fitted with non-printed connecting elements.

Thin- or thick-film circuits comprising passive and active elements obtained during the same technological process are to be classified in heading 8542.

5. For the purposes of headings 8541 and 8542:
 - (a) "Diodes, transistors and similar semiconductor devices" are semiconductor devices the operation of which depends on variations in resistivity on the application of an electric field;
 - (b) "Electronic integrated circuits and microassemblies" are:
 - (i) Monolithic integrated circuits in which the circuit elements (diodes, transistors, resistors, capacitors, interconnections, etc.) are created in the mass (essentially) and on the surface of a semiconductor material (doped silicon, for example) and are inseparably associated;
 - (ii) Hybrid integrated circuits in which passive elements (resistors, capacitors, interconnections, etc.) obtained by thin- or thick-film technology and active elements (diodes, transistors, monolithic integrated circuits, etc.) obtained by semiconductor technology, are combined to all intents and purposes indivisibly, on a single insulating substrate (glass, ceramic, etc.). These circuits may also include discrete components;
 - (iii) Microassemblies of the molded module, micromodule or similar types, consisting of discrete, active or both active and passive, components which are combined and interconnected.

For the classification of the articles defined in this note, headings 8541 and 8542 shall take precedence over any other heading in the tariff schedule which might cover them by reference to, in particular, their function.

6. Records, tapes and other media of heading 8523 or 8524 remain classified in those headings, whether or not they are entered with the apparatus for which they are intended.

Additional U.S. Notes

1. For the purposes of headings 8501 and 8503, 746 watts (W) is taken to be equivalent to 1 horsepower (hp).
2. For the purposes of subheading 8516.72, the term "toasters" includes toaster-ovens which are designed essentially for toasting bread but can also bake small items, such as potatoes.
3. For the purposes of heading 8525 the term "transceivers" refers to combinations of radio transmitting and receiving equipment in a common housing, employing common circuit components for both transmitting and receiving, and which are not capable of simultaneously receiving and transmitting.
4. For the purposes of 8529.90.03, 8529.90.06, 8529.90.33, 8529.90.36, 8529.90.43, 8529.90.46, 8529.90.86 and 8529.90.89:
 - (a) Each subassembly that contains as a component, or is covered in the same entry with, one or more of the following television components, viz.,

tuner, channel selector assembly, antenna, deflection yoke, degaussing coil, picture tube mounting bracket, grounding assembly, parts necessary for fixing the picture tube or tuner in place, consumer-operated controls or speaker,

shall be classified in subheading 8529.90.03, 8529.90.33, 8529.90.43, 8529.90.56 or 8529.90.86, as appropriate; and
 - (b) Each subassembly shall be counted as a single unit, except that two or more different printed circuit boards or ceramic substrates covered by the same entry and designed for assembly into the same television models shall be counted as one unit.
5. Picture tubes imported in combination with, or incorporated into, other articles are to be classified in subheadings 8540.11 through 8540.12, inclusive, unless they are--
 - (a) incorporated into complete television receivers, as defined in additional U.S. note 6 below;
 - (b) incorporated into fully assembled units such as word processors, ADP terminals, or similar articles;
 - (c) put up in kits containing all the parts necessary for assembly into complete television receivers, as defined in additional U.S. note 6 below; or
 - (d) put up in kits containing all the parts necessary for assembly into fully assembled units such as word processors, ADP terminals, or similar articles.
6. For the purposes of additional U.S. note 5 above the term "complete television receivers" means television receivers, fully assembled in their cabinets, whether or not packaged or tested for distribution to the ultimate purchaser(s).
7. Subheading 8517.90.04 covers the following parts of facsimile machines:
 - (a) Control or command assemblies, incorporating more than one of the following: printed circuit assembly, modem, hard or flexible (floppy) disk drive, keyboard, user interface;
 - (b) Optics module assemblies, incorporating more than one of the following: optics lamp, charge couples device and appropriate optics, lenses, mirrors;
 - (c) Laser imaging assemblies, incorporating more than one of the following: photoreceptor belt or cylinder, toner receptacle unit, toner developing unit, charge/discharge units, cleaning unit;
 - (d) Ink jet marking assemblies, incorporating more than one of the following: thermal print head, ink dispensing unit, nozzle and reservoir unit, ink heater;
 - (e) Thermal transfer imaging assemblies, incorporating more than one of the following: thermal print head, cleaning unit, supply or take-up roller;
 - (f) Ionographic imaging assemblies, incorporating more than one of the following: ion generation and emitting unit, air assist unit, printed circuit assembly, charge receptor belt or cylinder, toner receptacle unit, toner distribution unit, developer receptacle and distribution unit, developing unit, charge/discharge unit, cleaning unit;
 - (g) Image fixing assemblies, incorporating more than one of the following: fuser, pressure roller, heating elements, release oil dispenser, cleaning unit, electrical control;
 - (h) Paper handling assemblies, incorporating more than one of the following: paper transport belt, roller, print bar, carriage, gripper roller, paper storage unit, exit tray; and
 - (ij) Combinations of the above specified assemblies.
8. For the purposes of this chapter, references to "high definition" as it applies to television receivers and cathode-ray tubes refer to articles having:
 - (a) a screen aspect ratio equal to or greater than 16:9; and
 - (b) a viewing screen capable of displaying more than 700 scanning lines.

Additional U.S. Notes (con.)

9. For the purposes of this chapter, the video display diagonal is determined by measuring the maximum straight line dimension across the visible portion of the faceplate used for displaying video.
10. Subheadings 8529.90.29, 8529.90.33, 8529.90.36 and 8529.90.39 cover the following parts of television receivers (including video monitors and video projectors):
 - (a) Video intermediate (IF) amplifying and detecting systems;
 - (b) Video processing and amplification systems;
 - (c) Synchronizing and deflection circuitry;
 - (d) Tuners and tuner control systems; and
 - (e) Audio detection and amplification systems.
11. For the purposes of subheading 8540.91.15, the term "front panel assembly" refers to:
 - (a) with respect to a color cathode-ray television picture tube, an assembly which consists of a glass panel and a shadow mask or aperture grille, attached for ultimate use, which is suitable for incorporation into a color cathode-ray television picture tube (including video monitor cathode-ray tube), and which has undergone the necessary chemical and physical processes for imprinting phosphors on the glass panel with sufficient precision to render a video image when excited by a stream of electrons; or
 - (b) with respect to a monochrome cathode-ray picture tube, an assembly which consists of either a glass panel or a glass envelope, which is suitable for incorporation into a monochrome cathode-ray television picture tube (including video monitor or video projector cathode-ray tube), and which has undergone the necessary chemical and physical processes for imprinting phosphors on the glass panel or glass envelope with sufficient precision to render a video image when excited by a stream of electrons.

Statistical Notes

1. For the purposes of this chapter the terms "AM" and "FM" refer to the entertainment broadcast bands of 550-1650 kHz and 88-108 MHz, respectively.
2. For statistical reporting purposes under subheading 8539.10, the size of a sealed beam lamp unit is determined by measuring the largest diagonal dimension across the faceplate.
3. For statistical reporting purposes under subheading 8544.70, the unit of quantity "fiber m", as it pertains to optical fiber cables, is determined by multiplying the number of individual fibers contained therein by the length in meters.
4. For statistical reporting purposes under subheadings 8525.10.60, 8525.20.30 and 8527.90.90, the lowest operating frequency will determine the classification.
5. For statistical reporting purposes in subheading 8542.11.80 the following definitions will apply:
 - (a) The term "static read-write random access (SRAM)" refers to integrated circuit memory devices in which the memory cells may be addressed in any sequence, randomly, for the storage or retrieval of data and in which the stored information is retained without further intervention as long as electric power is supplied to the device.
 - (b) The term "volatile memory" refers to integrated circuit memory devices which lose all stored information in the absence of electric power.
 - (c) The term "dynamic read-write random access (DRAM)" refers to integrated circuit memory devices in which the memory cells may be addressed in any sequence, randomly, for the storage or retrieval of data and in which the stored information must continually be refreshed in order to hold the information in memory.
 - (d) The term "electrically erasable programmable read-only memory (EEPROM)" refers to user programmable integrated circuit memory devices which retain the stored information in the absence of electric power and in which the stored information may be altered electrically.
 - (e) The term "erasable (except electrically) programmable read-only memory (EPROM)" refers to user programmable integrated circuit memory devices which retain the stored information in the absence of electric power and from which the stored information may be removed (except electrically). Such devices are usually erased by exposure to ultraviolet light after which they may be rewritten with new information.
 - (f) The term "microprocessor" refers to a central processing unit (CPU) fabricated as a monolithic integrated circuit.

8501		Electric motors and generators (excluding generating sets):				
8501.10		Motors of an output not exceeding 37.5 W:				
		Of under 18.65 W:				
8501.10.20	00	Synchronous, valued not over \$4 each.....	No.....	9.3%	Free (A,B,E,IL,J, 90% MX)	
8501.10.40		Other.....		6.2%	Free (A,B,E,IL,J, 35% MX)	
	20	AC.....	No.		1.9% (CA) <u>1</u> /	
		DC:				
	40	Brushless.....	No.			
	60	Other.....	No.			
	80	Other.....	No.			
8501.10.60		Of 18.65 W or more but not exceeding 37.5 W.....		3.9%	Free (A,B,E,IL,J, 35% MX)	
	20	AC.....	No.		1.2% (CA) <u>1</u> /	
		DC:				
	40	Brushless.....	No.			
	60	Other.....	No.			
	80	Other.....	No.			
8501.20		Universal AC/DC motors of an output exceeding 37.5 W:				
8501.20.20	00	Exceeding 37.5 W but not exceeding 74.6 W.....	No.....	4%	Free (A,B,CA,E,IL, 35% J,MX)	
8501.20.40	00	Exceeding 74.6 W but not exceeding 735 W.....	No.....	4.8%	Free (A,B,CA,E,IL, 35% J,MX)	
8501.20.50	00	Exceeding 735 W but under 746 W.....	No.....	4.7%	Free (A,B,C,CA,E 35% IL,J,MX)	
8501.20.60	00	Other.....	No.....	3.4%	Free (A,B,C,CA,E 35% IL,J,MX)	
		Other DC motors; DC generators:				
8501.31		Of an output not exceeding 750 W:				
		Motors:				
8501.31.20	00	Exceeding 37.5 W but not exceeding 74.6 W.....	No.....	3.9%	Free (A,B,CA,E,IL, 35% J,MX)	
8501.31.40	00	Exceeding 74.6 W but not exceeding 735 W.....	No.....	4.8%	Free (A,B,CA,E,IL, 35% J,MX)	
8501.31.50	00	Exceeding 735 W but under 746 W.....	No.....	4.7%	Free (A,B,C,CA,E 35% IL,J,MX)	
8501.31.60	00	Other.....	No.....	3.4%	Free (A,B,C,CA,E 35% IL,J,MX)	
8501.31.80	00	Generators.....	No.....	2.9%	Free (A,B,C,CA,E, 35% IL,J,MX)	
8501.32		Of an output exceeding 750 W but not exceeding 75 kW:				
		Motors:				
8501.32.20	00	Exceeding 750 W but not exceeding 14.92 kW.....	No.....	3.5%	Free (A,B,C,CA,E, 35% IL,J,MX)	
		Other:				
8501.32.45	00	Electric motors of a kind used as the primary source of mechanical power for electrically powered vehicles of subheading 8703.90.....	No.....	Free		35%
8501.32.55		Other.....		Free		35%
	20	For use in civil aircraft.....	No.			
	40	Other.....	No.			
8501.32.60	00	Generators.....	No.....	2.8%	Free (A,B,C,CA,E, 35% IL,J,MX)	

1/ See subheading 9905.85.01.

8501	Electric motors and generators (excluding					
(con.)	generating sets) (con.):					
	Other DC motors; DC generators (con.):					
8501.33	Of an output exceeding 75 kW but not					
	exceeding 375 kW:					
	Motors:					
8501.33.20	Exceeding 75 kW but under					
	149.2 kW.....	No.	Free			35%
40	For use in civil aircraft.	No.				
80	Other.....	No.				
8501.33.30	149.2 kW or more but not					
00	exceeding 150 kW.....	No.....	3.9%	Free	(A, C, CA, E, IL, J, 35% J, MX)	
8501.33.40	Other.....		3.9%	Free	(A, CA, E, IL, J, 35% MX)	
40	Not exceeding 373 kW.....	No.				
60	Other.....	No.				
8501.33.60	Generators.....	No.....	2.9%	Free	(A, B, C, CA, E 35% IL, J, MX)	
8501.34	Of an output exceeding 375 kW:					
8501.34.30	Motors.....	No.....	3.9%	Free	(A, CA, E, IL, J, 35% MX)	
8501.34.60	Generators.....	No.....	2.8%	Free	(A, B, C, CA, E 35% IL, J, MX)	
8501.40	Other AC motors, single-phase:					
8501.40.20	Of an output exceeding 37.5 W but not					
	exceeding 74.6 W.....		4%	Free	(A, B, E, IL, J, 35% MX)	
20	Gear motors.....	No.		1.2%	(CA)	
40	Other.....	No.				
8501.40.40	Of an output exceeding 74.6 W but not					
	exceeding 735 W.....		4.8%	Free	(A, B, E, IL, J) 35% 1.5% (CA) 3% (MX)	
20	Gear motors.....	No.				
40	Other.....	No.				
8501.40.50	Of an output exceeding 735 W but					
	under 746 W.....		4.7%	Free	(A, B, C, E, IL, 35% J, MX)	
20	Gear motors.....	No.		1.5%	(CA)	
40	Other.....	No.				
8501.40.60	Other.....		3.7%	Free	(A, B, C, E, IL, 35% J, MX)	
20	Gear motors.....	No.		1.1%	(CA)	
40	Other.....	No.				
8501.51	Other AC motors, multi-phase:					
8501.51.20	Of an output not exceeding 750 W:					
	Exceeding 37.5 W but not exceeding					
	74.6 W.....		3.9%	Free	(A, B, E, IL, J, 35% MX)	
20	Gear motors.....	No.		1.2%	(CA) <u>1/</u>	
40	Other.....	No.				
8501.51.40	Exceeding 74.6 W but not					
	exceeding 735 W.....		4.5%	Free	(A, B, E, IL, J, 35% MX)	
20	Gear motors.....	No.		1.5%	(CA) <u>1/</u>	
40	Other.....	No.				
8501.51.50	Exceeding 735 W but under 746 W.....		4.7%	Free	(A, B, C, E, IL, 35% J, MX)	
20	Gear motors.....	No.		1.5%	(CA) <u>1/</u>	
40	Other.....	No.				
8501.51.60	Other.....		3.5%	Free	(A, B, C, E, IL, 35% J, MX)	
20	Gear motors.....	No.		1.1%	(CA) <u>1/</u>	
40	Other.....	No.				

1/ See subheading 9905.85.05.

8501 (con.)		Electric motors and generators (excluding generating sets) (con.):				
		Other AC motors, multi-phase (con.):				
8501.52		Of an output exceeding 750 W but not exceeding 75 kW:				
8501.52.40	00	Exceeding 750 W but not exceeding 14.92 kW.....	No.....	3.7%	Free (A, B, C, E, IL, J, MX)	35%
					1.1%	(CA)
8501.52.80		Other.....	.....	Free		35%
	20	For use in civil aircraft.....	No.			
	40	Other.....	No.			
8501.53		Of an output exceeding 75 kW:				
8501.53.40		Exceeding 75 kW but under 149.2 kW..	.....	Free		35%
	40	For use in civil aircraft.....	No.			
	80	Other.....	No.			
8501.53.60	00	149.2 kW or more but not exceeding 150 kW.....	.....	4.2%	Free (A, C, CA, E, IL, J, MX)	35%
8501.53.80		Other.....	.....	3.9%	Free (A, CA, E, IL, J, MX)	35%
	40	Not exceeding 373 kW.....	No.			
	60	Other.....	No.			
		AC generators (alternators):				
8501.61.00	00	Of an output not exceeding 75 kVA.....	No.....	2.9%	Free (A, B, C, CA, E, IL, J, MX)	35%
8501.62.00	00	Of an output exceeding 75 kVA but not exceeding 375 kVA.....	No.....	2.9%	Free (A, B, C, CA, E, IL, J, MX)	35%
8501.63.00	00	Of an output exceeding 375 kVA but not exceeding 750 kVA.....	No.....	2.9%	Free (A, B, C, CA, E, IL, J, MX)	35%
8501.64.00		Of an output exceeding 750 kVA.....	.....	2.9%	Free (A, B, CA, E, IL, J, MX)	35%
	20	Exceeding 750 kVA but not exceeding 10,000 kVA.....	No.			
	30	Exceeding 10,000 kVA but not exceeding 40,000 kVA.....	No.			
	50	Other.....	No.			

8502		Electric generating sets and rotary converters: Generating sets with compression-ignition internal combustion piston engines (diesel or semi-diesel engines):					
8502.11.00	00	Of an output not exceeding 75 kVA.....	No.....	2.9%	Free	(A, B, C, CA, E IL, J, MX)	35%
8502.12.00	00	Of an output exceeding 75 kVA but not exceeding 375 kVA.....	No.....	2.9%	Free	(A, B, C, CA, E IL, J, MX)	35%
8502.13.00		Of an output exceeding 375 kVA.....		2.8%	Free	(A, B, C, CA, E IL, J, MX)	35%
	20	Exceeding 375 kVA but not exceeding 1,000 kVA.....	No.				
	40	Exceeding 1,000 kVA.....	No.				
8502.20.00		Generating sets with spark-ignition internal combustion piston engines.....		2.8%	Free	(A, B, C, CA, E IL, J, MX)	35%
	30	Of an output under 1.5 kW.....	No.				
	60	Of an output 1.5 kW or greater but not exceeding 5 kW.....	No.				
	80	Of an output exceeding 5 kW.....	No.				
8502.30.00	00	Other generating sets.....	No.....	2.9%	Free	(A, B, C, CA, E IL, J, MX)	35%
8502.40.00	00	Electric rotary converters.....	No.....	3%	Free	(A, B, C, CA, E IL, J, MX)	35%
8503.00		Parts suitable for use solely or principally with the machines of heading 8501 or 8502:					
8503.00.20	00	Commutators.....	No.....	3.4%	Free	(A, B, CA, E, IL, J, MX)	35%
		Stators and rotors for the goods of heading 8501:					
8503.00.35	00	For motors of under 18.65 W.....	X.....	9.3%	Free	(A, B, E, IL, J, MX)	90%
						3% (CA) <u>1/</u>	
8503.00.45	00	For generators suitable for use on aircraft.....	X.....	Free			35%
8503.00.65	00	Other.....	X.....	3%	Free	(A, B, CA, E, IL, J, MX)	35%
		Other:					
8503.00.75	00	For motors of under 18.65 W.....	X.....	9.3%	Free	(A, B, E, IL, J, MX)	90%
						3% (CA) <u>1/</u>	
8503.00.90	00	For generators suitable for use on aircraft.....	X.....	Free			35%
8503.00.95		Other.....		3%	Free	(A, B, CA, E, IL, J, MX)	35%
	20	Parts of motors.....	X				
	45	Parts of generators.....	X				
	60	Other.....	X				

1/ See subheading 9905.85.10.

8504	Electrical transformers, static converters (for example, rectifiers) and inductors; parts thereof:				
8504.10.00	00	Ballasts for discharge lamps or tubes.....	No.....	3%	Free (A,B,C,E,IL, 35% J,MX) 0.9% (CA)
8504.21.00		Liquid dielectric transformers: Having a power handling capacity not exceeding 650 kVA.....		2.4%	Free (A,E,IL,J,MX) 35% 0.7% (CA)
	20	Having a power handling capacity not exceeding 50 kVA.....	No.		
	40	Having a power handling capacity exceeding 50 kVA but not exceeding 100 kVA.....	No.		
	60	Having a power handling capacity exceeding 100 kVA but not exceeding 500 kVA.....	No.		
	80	Having a power handling capacity exceeding 500 kVA but not exceeding 650 kVA.....	No.		
8504.22.00		Having a power handling capacity exceeding 650 kVA but not exceeding 10,000 kVA.....		2.4%	Free (A,E,IL,J,MX) 35% 0.7% (CA)
	40	Having a power handling capacity exceeding 650 kVA but not exceeding 2,500 kVA.....	No.		
	80	Having a power handling capacity exceeding 2,500 kVA but not exceeding 10,000 kVA.....	No.		
8504.23.00		Having a power handling capacity exceeding 10,000 kVA.....		2.4%	Free (A,E,IL,J,MX) 35% 0.7% (CA) <u>1</u> /
	40	Having a power handling capacity exceeding 10,000 kVA but not exceeding 100,000 kVA.....	No.		
	80	Having a power handling capacity exceeding 100,000 kVA.....	No.		

1/ See subheading 9905.85.15.

8504 (con.)		Electrical transformers, static converters (for example, rectifiers) and inductors; parts thereof (con.):					
		Other transformers:					
8504.31		Having a power handling capacity not exceeding 1 kVA:					
8504.31.20	00	Unrated.....	No.....	1.9%	Free	(A, B, C, E, IL, 35% J, MX)	0.7% (CA) <u>1/</u>
		Other:					
8504.31.40		Having a power handling capacity less than 1 kVA.....	.....	6.6%	Free	(A, B, C, E, IL, 35% J, MX)	1.9% (CA) <u>1/</u>
	35	Having a power handling capacity less than 40 VA.....	No.				
	65	Having a power handling capacity 40 VA or greater.....	No.				
8504.31.60	00	Having a power handling capacity of 1 kVA.....	No.....	2.2%	Free	(A, B, C, E, IL, 35% J, MX)	0.7% (CA) <u>1/</u>
8504.32.00	00	Having a power handling capacity exceeding 1 kVA but not exceeding 16 kVA.....	No.....	2.4%	Free	(A, B, C, E, IL, 35% J, MX)	0.7% (CA)
8504.33.00		Having a power handling capacity exceeding 16 kVA but not exceeding 500 kVA.....	.....	2.2%	Free	(A, B, C, E, IL, 35% J, MX)	0.7% (CA)
	20	Having a power handling capacity exceeding 16 kVA but not exceeding 50 kVA.....	No.				
	40	Having a power handling capacity exceeding 50 kVA but not exceeding 500 kVA.....	No.				
8504.34.00	00	Having a power handling capacity exceeding 500 kVA.....	No.....	2.2%	Free	(A, B, E, IL, J, 35% MX)	0.7% (CA)

1/ See subheadings 9905.00.00 and 9905.85.16.

8504		Electrical transformers, static converters				
(con.)		(for example, rectifiers) and inductors;				
		parts thereof (con.):				
8504.40		Static converters:				
8504.40.40	00	Speed drive controllers for				
		electric motors.....	No.....	2.7%	Free	(A, B, C, CA, E, 35%
						IL, J, MX)
	8504.40.80	Other.....				2.7%
Free	(A, B, C, CA, E,					IL, J, MX)
		35%				
		Rectifiers and rectifying				
		apparatus:				
		Power supplies:				
	04	With a power output				
		not exceeding 50 W.....	No.			
	08	With a power output				
		exceeding 50 W but not				
		exceeding 150 W.....	No.			
	10	With a power output				
		exceeding 150 W but not				
		exceeding 500 W.....	No.			
	15	Other.....	No.			
	25	Other.....	X			
	40	Inverters.....	No.			
	60	Other.....	X			
8504.50.00	00	Other inductors.....	No.....	3%	Free	(A, B, C, E, IL, 35%
						J, MX)
						0.9% (CA)
8504.90		Parts:				
8504.90.60	00	Printed circuit assemblies.....	No.....	3%	Free	(A, B, CA, E, IL, 35%
						J, MX)
8504.90.90		Other.....		3%	Free	(A, B, CA, E, IL, 35%
						J, MX)
		Ferrites:				
	10	For transformers.....	No.			
	30	Other.....	No.			
		Other parts:				
	40	Of transformers.....	X			
	50	Of static converters.....	X			
	90	Other.....	X			

8505		Electromagnets; permanent magnets and articles intended to become permanent magnets after magnetization; electromagnetic or permanent magnet chucks, clamps and similar holding devices; electromagnetic couplings, clutches and brakes; electromagnetic lifting heads; parts thereof:				
		Permanent magnets and articles intended to become permanent magnets after magnetization:				
8505.11.00	00	Of metal.....	No.....	3%	Free	(A, B, CA, E, IL, 45% J, MX)
8505.19.00	00	Other.....	No.....	4.9%	Free	(A, CA, E, IL, J, 45% MX)
8505.20.00	00	Electromagnetic couplings, clutches and brakes.....	X.....	3.7%	Free	(A, B, CA, E, IL, 35% J, MX)
8505.30.00	00	Electromagnetic lifting heads.....	X.....	3.1%	Free	(A, CA, E, IL, J, 35% MX)
8505.90		Other, including parts:				
8505.90.40	00	Work holders and parts thereof.....	X.....	3.9%	Free	(A, CA, E, IL, J, 30% MX)
8505.90.80	00	Other.....	X.....	3.4%	Free	(A, B, CA, E, IL, 35% J, MX)
8506		Primary cells and primary batteries; parts thereof:				
		Primary cells and primary batteries having an external volume not exceeding 300 cm ³ :				
8506.11.00	00	Manganese dioxide.....	No.....	4.8%	Free	(A, E, IL, J, MX) 35% 1.5% (CA) <u>1/</u>
8506.12.00	00	Mercuric oxide.....	No.....	4.8%	Free	(A, CA, E, IL, J, 35% MX)
8506.13.00	00	Silver oxide.....	No.....	4.8%	Free	(A, CA, E, IL, J, 35% MX)
8506.19.00	00	Other.....	No.....	4.8%	Free	(A, E, IL, J, MX) 35% 1.5% (CA) <u>1/</u>
8506.20.00	00	Primary cells and primary batteries having an external volume exceeding 300 cm ³	No.....	4.8%	Free	(A, E, IL, J, MX) 35% 1.5% (CA) <u>2/</u>
8506.90.00	00	Parts.....	X.....	4.8%	Free	(A, E, IL, J, MX) 35% 1.5% (CA) <u>1/</u>

1/ See subheadings 9905.85.21, 9905.85.22 and 9905.85.25.
2/ See subheading 9905.85.23.

8507		Electric storage batteries, including separators therefor, whether or not rectangular (including square); parts thereof:					
8507.10.00		Lead-acid storage batteries, of a kind used for starting piston engines.....		4.9%		Free (A,B,C,E,IL, 40% J,MX)	
	20	Used batteries, for recovery of metal....	No. kg	v		1.5% (CA) <u>1</u> /	
		Other:					
	30	12 V batteries: Not exceeding 6 kg in weight...	No. kg	v			
	60	Exceeding 6 kg in weight.....	No. kg	v			
	90	Other.....	No. kg	v			
8507.20		Other lead-acid storage batteries:					
8507.20.40	00	Of a kind used as the primary source of electrical power for electrically powered vehicles of subheading 8703.90...	No..... kg	v	4.9%	Free (A,B,E,IL,J, 40% MX)	
						1.5% (CA) <u>1</u> /	
8507.20.80		Other.....			4.9%	Free (A,B,C,E,IL, 40% J,MX)	
	20	Used batteries, for recovery of metal.....	No. kg	v		1.5% (CA) <u>1</u> /	
		Other:					
	30	6 V batteries.....	No. kg	v			
	40	12 V batteries.....	No. kg	v			
	60	36 V batteries.....	No. kg	v			
	90	Other.....	No. kg	v			
8507.30		Nickel-cadmium storage batteries:					
8507.30.40	00	Of a kind used as the primary source of electrical power for electrically powered vehicles of subheading 8703.90...	No.....		4.6%	Free (A,B,E,IL,J, 40% MX)	
						1.5% (CA) <u>1</u> /	
8507.30.80		Other.....			4.6%	Free (A,B,C,E,IL, 40% J,MX)	
	10	Sealed.....	No.			1.5% (CA) <u>1</u> /	
	90	Other.....	No.				
8507.40		Nickel-iron storage batteries:					
8507.40.40	00	Of a kind used as the primary source of electrical power for electrically powered vehicles of subheading 8703.90...	No.....		4.8%	Free (A,B,CA,E,IL, 40% J,MX)	
8507.40.80	00	Other.....	No.....		4.8%	Free (A,B,C,CA,E, 40% IL,J,MX)	
8507.80		Other storage batteries:					
8507.80.40	00	Of a kind used as the primary source of electrical power for electrically powered vehicles of subheading 8703.90...	No.....		4.8%	Free (A,B,CA,E,IL, 40% J,MX)	
8507.80.80	00	Other.....	No.....		4.8%	Free (A,B,C,CA,E, 40% IL,J,MX)	
8507.90		Parts:					
8507.90.40	00	Of lead-acid storage batteries.....	X.....		4.9%	Free (A,B,C,E,IL, 40% J,MX)	
						1.5% (CA) <u>1</u> /	
8507.90.80	00	Other.....	X.....		4.8%	Free (A,B,C,E,IL, 40% J,MX)	
						1.5% (CA) <u>1</u> / <u>2</u> /	

1/ See subheadings 9905.00.00 and 9905.85.27.
2/ See subheading 9905.85.30.

8508	Electromechanical tools for working in the hand with self-contained electric motor; parts thereof:				
8508.10.00	Drills of all kinds.....	2.1%	Free (A,E,IL,J,MX) 35%		
	Rotary:		0.6% (CA)		
10	Battery powered.....	No.			
	Other:				
30	With a chuck capacity of less than 12.7 mm.....	No.			
50	Other.....	No.			
70	Other, including hammer drills.....	No.			
8508.20.00	Saws.....	1.8%	Free (A,E,IL,J,MX) 35%		
	Circular.....	No.	0.6% (CA)		
20	Chain.....	No.			
40	Reciprocating and jig.....	No.			
70	Other.....	No.			
90	Other tools.....	1.8%	Free (A,E,IL,J,MX) 35%		
8508.80.00	Grinders, polishers and sanders:		0.6% (CA)		
10	Angle grinders, sanders and polishers.....	No.			
15	Orbital and straight-line sanders... Other:	No.			
25	Belt sanders.....	No.			
35	Other.....	No.			
40	Screwdrivers, nut-runners and impact wrenches.....	No.			
55	Routers.....	No.			
65	Planers.....	No.			
70	Grass and weed trimmers/edgers.....	No.			
80	Electropneumatic rotary and percussion hammers.....	No.			
85	Electric scissors.....	No.			
90	Other.....	No.			
8508.90	Parts:				
8508.90.40	Housings.....	X..... 1.8%	Free (A,E,IL,J,MX) 35%		
			0.6% (CA)		
8508.90.80	Other.....	X..... 1.8%	Free (A,E,IL,J,MX) 35%		
			0.6% (CA)		

8509	Electromechanical domestic appliances, with self-contained electric motor; parts thereof:			
8509.10.00	Vacuum cleaners.....	2.7%	Free (A,E,IL,J,MX) 35% 1% (CA)	
20	Portable, hand-held.....	No.		
30	Wet/dry type.....	No.		
	Other:			
50	Canister/tank type.....	No.		
	Other:			
70	Weight not exceeding 5 kg.....	No.		
80	Other.....	No.		
8509.20.00	Floor polishers.....	2.7%	Free (A,CA,E,IL,J, 35% MX)	
8509.30.00	Kitchen waste disposers (disposals).....	3.4%	Free (A,CA,E,IL,J, 40% MX)	
8509.40.00	Food grinders, processors and mixers; fruit or vegetable juice extractors.....	4.2%	Free (A,E,IL,J,MX) 40% 1.2% (CA) <u>1/</u>	
15	Blenders.....	No.		
25	Other food mixers.....	No.		
30	Juice extractors.....	No.		
40	Food grinders and processors.....	No.		
8509.80.00	Other appliances.....	4.2%	Free (A,E,IL,J,MX) 40% 1.2% (CA) <u>1/</u>	
40	Can openers (including combination units).....	No.		
45	Electric toothbrushes.....	No.		
	Humidifiers:			
50	Evaporative.....	No.		
	Other:			
70	Ultrasonic.....	No.		
80	Other.....	No.		
95	Other.....	No.		
8509.90	Parts:			
8509.90.05	Parts of vacuum cleaners:			
	Housings.....	3.1%	Free (A,E,IL,J) 35% 1% (CA) 2% (MX)	
30	Of wet/dry vacuum cleaners.....	X		
60	Other.....	X		
8509.90.15	Other.....	3.1%	Free (A,E,IL,J) 35% 1% (CA) 2% (MX)	
30	Of wet/dry vacuum cleaners.....	X		
60	Other.....	X		
8509.90.25	Parts of floor polishers:			
	Housings.....	3.4%	Free (A,CA,E,IL,J, 35% MX)	
8509.90.35	Other.....	3.4%	Free (A,CA,E,IL,J, 35% MX)	
	Other:			
8509.90.45	Housings.....	4.2%	Free (A,CA,E,IL,J, 40% MX)	
8509.90.55	Other.....	4.2%	Free (A,CA,E,IL,J, 40% MX)	

1/ See headings 9905.85.35 and 9905.85.37.

8510	Shavers and hair clippers, with self-contained electric motor; parts thereof:			
8510.10.00	00	Shavers.....	No..... 3.5%	Free (A,CA,E,IL,J, 35% MX)
8510.20.00	00	Hair clippers.....	No..... 4%	Free (A,E,IL,J,MX) 45% 1.2% (CA)
8510.90		Parts:		
		Parts of shavers:		
8510.90.10	00	Blades and cutting heads.....	X..... 2.7%	Free (A,E,IL,J,MX) 27.5% 1% (CA)
8510.90.20	00	Other parts of shavers.....	X..... 3.5%	Free (A,E,IL,J,MX) 35% 1.3% (CA)
8510.90.30	00	Parts of hair clippers.....	X..... 4%	Free (A,E,IL,J,MX) 45% 1.2% (CA)

8511	Electrical ignition or starting equipment of a kind used for spark-ignition or compression-ignition internal combustion engines (for example, ignition magnetos, magneto-dynamos, ignition coils, spark plugs and glow plugs, starter motors); generators (for example, dynamos, alternators) and cut-outs of a kind used in conjunction with such engines; parts thereof:				
8511.10.00	00 Spark plugs.....	Hundreds	3%	Free	(A, B, C, E, IL, J, MX) 35%
				0.9%	(CA) <u>1/</u>
8511.20.00	00 Ignition magnetos; magneto-dynamos; magnetic flywheels.....	X.....	3%	Free	(A, B, C, E, IL, J, MX) 35%
				0.9%	(CA) <u>1/</u>
8511.30.00	Distributors; ignition coils.....		3%	Free	(A, B, C, E, IL, J, MX) 35%
				0.9%	(CA) <u>1/2/</u>
	40 Distributors.....	No.			
	80 Ignition coils.....	No.			
8511.40.00	00 Starter motors and dual purpose starter-generators.....	No.....	3%	Free	(A, B, C, E, IL, J, MX) 35%
				0.9%	(CA) <u>1/</u>
8511.50.00	00 Other generators.....	No.....	3%	Free	(A, B, C, E, IL, J, MX) 35%
				0.9%	(CA) <u>1/3/</u>
8511.80	Other equipment: Voltage and voltage-current regulators with cut-out relays:				
8511.80.20	00 Designed for use on 6, 12 or 24 V systems.....	No.....	3%	Free	(A, B, C, E, IL, J, MX) 25%
				0.9%	(CA) <u>1/4/</u>
8511.80.40	00 Other.....	No.....	3.9%	Free	(A, C, E, IL, J, MX) 35%
				1.4%	(CA) <u>1/4/</u>
8511.80.60	00 Other.....	X.....	3%	Free	(A, B, C, E, IL, J, MX) 35%
				0.9%	(CA) <u>1/4/</u>
8511.90	Parts: Of voltage and voltage-current regulators with cut-out relays:				
8511.90.20	00 Designed for use on 6, 12 or 24 V systems.....	X.....	3.1%	Free	(A, B, E, IL, J, MX) 25%
				0.9%	(CA) <u>1/5/</u>
8511.90.40	00 Other.....	X.....	3.9%	Free	(A, E, IL, J, MX) 35%
				1.4%	(CA) <u>1/5/</u>
8511.90.60	Other parts.....		3%	Free	(A, B, E, IL, J, MX) 35%
				0.9%	(CA) <u>1/3/5/</u>
	20 Distributor contact (breaker point) sets.....	No.			
	40 Other.....	X			

1/ See subheading 9905.00.00.
2/ See subheading 9905.85.44.
3/ See subheadings 9905.85.39 and 9905.85.41.
4/ See subheading 9905.85.48.
5/ See subheading 9905.85.54.

8512		Electrical lighting or signaling equipment (excluding articles of heading 8539), windshield wipers, defrosters and demisters, of a kind used for cycles or motor vehicles; parts thereof:				
8512.10		Lighting or visual signaling equipment of a kind used on bicycles:				
8512.10.20	00	Lighting equipment.....	X.....	6.1% <u>1/</u>	Free (A, E, IL, J, MX) 45% 2.2% (CA) <u>3/</u>	
8512.10.40	00	Visual signaling equipment.....	X.....	2.7%	Free (A, E, IL, J, MX) 35% 0.8% (CA)	
8512.20		Other lighting or visual signaling equipment:				
8512.20.20	40	Lighting equipment.....		Free		25%
		For the vehicles of subheading 8701.20 or heading 8702, 8703, 8704, 8705 or 8711.....	X			
8512.20.40	80	Other.....	X			
		Visual signaling equipment.....		2.7%	Free (A, B, E, IL, J, MX) 35% 0.8% (CA) <u>2/</u>	
		For the vehicles of subheading 8701.20 or heading 8702, 8703, 8704, 8705 or 8711.....	X			
8512.30.00	80	Other.....	X			
		Sound signaling equipment.....		2.7%	Free (A, B, E, IL, J, MX) 35% 0.8% (CA) <u>2/3/</u>	
	20	Horns.....	X			
	40	Other.....	X			
8512.40		Windshield wipers, defrosters and demisters:				
8512.40.20	00	Defrosters and demisters.....	X.....	3.6%	Free (A, E, IL, J, MX) 35% 1.1% (CA) <u>3/</u>	
8512.40.40	00	Windshield wipers.....	X.....	3%	Free (A, B, E, IL, J, MX) 25% 0.9% (CA) <u>3/</u>	
8512.90		Parts:				
8512.90.20	00	Of signaling equipment.....	X.....	2.7%	Free (A, B, E, IL, J, MX) 35% 0.8% (CA) <u>2/</u>	
		Of lighting equipment:				
8512.90.40	00	Of a kind used on bicycles.....	X.....	6.1% <u>1/</u>	Free (A, E, IL, J, MX) 45% 2.2% (CA)	
8512.90.60	00	Other.....	X.....	Free		25%
8512.90.70	00	Of defrosters and demisters.....	X.....	3.6%	Free (A, E, IL, J, MX) 35% 1.1% (CA) <u>3/</u>	
8512.90.90	00	Other.....	X.....	3%	Free (A, B, E, IL, J, MX) 25% 0.9% (CA) <u>3/</u>	
8513		Portable electric lamps designed to function by their own source of energy (for example, dry batteries, storage batteries, magnetos), other than lighting equipment of heading 8512; parts thereof:				
8513.10		Lamps:				
8513.10.20	00	Flashlights.....	No.....	22.5%	Free (A, E, IL, J, MX) 35% 7.5% (CA)	
8513.10.40	00	Other.....	No.....	6.2%	Free (A, E, IL, J, MX) 40% 2% (CA)	
8513.90		Parts:				
8513.90.20	00	Of flashlights.....	X.....	22.5%	Free (A, E, IL, J, MX) 35% 7.5% (CA)	
8513.90.40	00	Other.....	X.....	6.2%	Free (A, E, IL, J, MX) 40% 2% (CA)	

1/ See subheading 9907.85.01.
2/ See subheading 9905.85.56.
3/ See subheading 9905.00.00.

8514		Industrial or laboratory electric (including induction or dielectric) furnaces and ovens; other industrial or laboratory induction or dielectric heating equipment; parts thereof:					
8514.10.00	00	Resistance heated furnaces and ovens.....	No.....	2%	Free	(A, CA, E, IL, J, 35% MX)	
8514.20.00	00	Induction or dielectric furnaces and ovens....	No.....	2%	Free	(A, CA, E, IL, J, 35% MX)	
8514.30		Other furnaces and ovens:					
8514.30.20	00	For diffusion, oxidation or annealing of semiconductor wafers.....	No.....	Free			35%
8514.30.40	00	Other.....	No.....	2.3%	Free	(A, CA, E, IL, J, MX)	35%
8514.40.00	00	Other induction or dielectric heating equipment.....	X.....	2%	Free	(A, CA, E, IL, J, 35% MX)	
8514.90.00	00	Parts.....	X.....	2%	Free	(A, CA, E, IL, J, 35% MX)	
8515		Electric (including electrically heated gas), laser or other light or photon beam, ultrasonic, electron beam, magnetic pulse or plasma arc soldering, brazing or welding machines and apparatus, whether or not capable of cutting; electric machines and apparatus for hot spraying of metals or sintered metal carbides; parts thereof:					
8515.11.00	00	Brazing or soldering machines and apparatus: Soldering irons and guns.....	No.....	2.5%	Free	(A, CA, E, IL, J, MX)	35%
8515.19.00	00	Other.....	No.....	2%	Free	(A, CA, E, IL, J, 35% MX)	
		Machines and apparatus for resistance welding of metal:					
8515.21.00	00	Fully or partly automatic.....	No.....	1.6%	Free	(A, CA, E, IL, J, 35% MX)	
8515.29.00	00	Other.....	No.....	1.6%	Free	(A, CA, E, IL, J, 35% MX)	
		Machines and apparatus for arc (including plasma arc) welding of metals:					
8515.31.00	00	Fully or partly automatic.....	No.....	1.9%	Free	(A, CA, E, IL, J, 35% MX)	
8515.39.00		Other.....		1.9%	Free	(A, CA, E, IL, J, 35% MX)	
		Non-rotating type:					
	20	AC transformer type.....	No.				
	40	Other.....	No.				
	60	Rotating type.....	No.				
8515.80.00		Other machines and apparatus.....		1.6%	Free	(A, CA, E, IL, J, 35% MX)	
	40	Ultrasonic welding machines.....	No.				
	80	Other.....	No.				
8515.90		Parts:					
8515.90.20	00	Of welding machines and apparatus.....	X.....	1.9%	Free	(A, CA, E, IL, J, 35% MX)	
8515.90.40	00	Other parts.....	X.....	2%	Free	(A, CA, E, IL, J, 35% MX)	

8516		Electric instantaneous or storage water heaters and immersion heaters; electric space heating apparatus and soil heating apparatus; electrothermic hair-dressing apparatus (for example, hair dryers, hair curlers, curling tong heaters) and hand dryers; electric flatirons; other electrothermic appliances of a kind used for domestic purposes; electric heating resistors, other than those of heading 8545; parts thereof:			
8516.10.00		Electric instantaneous or storage water heaters and immersion heaters.....	3%	Free	(A,B,E,IL,J, 35% MX)
	40	Storage water heaters.....	No.	1.1%	(CA) <u>1/</u>
	80	Other water heaters and immersion heaters.....	No.		
		Electric space heating apparatus and electric soil heating apparatus:			
8516.21.00	00	Storage heating radiators.....	No..... 3%	Free	(A,CA,E,IL,J, 35% MX)
8516.29.00		Other.....	3.7%	Free	(A,B,CA,E,IL, 35% J,MX)
		Portable space heaters:			
	30	Fan-forced.....	No.		
	60	Other.....	No.		
	90	Other.....	X		
		Electrothermic hairdressing or hand-drying apparatus:			
8516.31.00	00	Hair dryers.....	No..... 3.9%	Free	(A,CA,E,IL,J, 35% MX)
8516.32.00		Other hairdressing apparatus.....	3.9%	Free	(A,CA,E,IL,J, 35% MX)
	20	Curlers.....	No.		
	40	Other.....	X		
8516.33.00	00	Hand-drying apparatus.....	No..... 3.1%	Free	(A,E,IL,J,MX) 35% 1.1% (CA)
8516.40		Electric flatirons:			
8516.40.20	00	Travel type.....	No..... 1.8%	Free	(A,CA,E,IL,J, 35% MX)
8516.40.40	00	Other.....	No..... 5%	Free	(A,CA,E,IL,J, 40% MX)
8516.50.00	00	Microwave ovens.....	No..... 3.6%	Free	(A,E,IL,J,MX) 35% 1.2% (CA)
8516.60		Other ovens; cooking stoves, ranges, cooking plates, boiling rings, grillers and roasters:			
8516.60.40		Cooking stoves, ranges and ovens.....	Free		35%
	60	Microwave oven combinations.....	No.		
		Other:			
	70	Portable.....	No.		
	80	Other.....	No.		
8516.60.60	00	Other.....	No..... 4.8%	Free	(A,E,IL,J,MX) 40% 1.5% (CA)

1/ See subheadings 9905.00.00, 9905.85.57 and 9905.85.58.

8516 (con.)	Electric instantaneous or storage water heaters and immersion heaters; electric space heating apparatus and soil heating apparatus; electrothermic hair-dressing apparatus (for example, hair dryers, hair curlers, curling tong heaters) and hand dryers; electric flatirons; other electrothermic appliances of a kind used for domestic purposes; electric heating resistors, other than those of heading 8545; parts thereof (con.):			
	Other electrothermic appliances:			
8516.71.00	Coffee or tea makers.....	5%	Free	(A, CA, E, IL, J, 40% MX)
	Coffee makers:			
20	Automatic drip and pump type... No.			
40	Percolator..... No.			
60	Other..... No.			
80	Other..... No.			
8516.72.00	Toasters.....	No..... 5.3%	Free	(A, CA, E, IL, J, 40% MX)
8516.79.00	Other.....	No..... 4.8%	Free	(A, E, IL, J, 40% MX)
			1.5%	(CA) <u>1/</u>
8516.80	Electric heating resistors:			
8516.80.40	Assembled only with simple insulated former and electrical connections, used for anti-icing or deicing.....	X..... 3.1%	Free	(A, B, C, E, IL, J, MX) 35%
8516.80.80	Other.....	X..... 3.1%	Free	(A, B, E, IL, J, MX) 35%
			1.1%	(CA)
8516.90	Parts:			
8516.90.05	Of heaters or heating apparatus of subheading 8516.10, 8516.21 or 8516.29...	X..... 3.7%	Free	(A, B, CA, E, IL, J, MX) 35%
8516.90.15	Housings for the hand-drying apparatus of subheading 8516.33.....	X..... 3.9%	Free	(A, CA, E, IL, J, MX) 35%
8516.90.25	Housings and steel bases for the electric flatirons of subheading 8516.40.....	X..... 3.9%	Free	(A, CA, E, IL, J, MX) 35%
	Parts for the microwave ovens of subheading 8516.50:			
8516.90.35	Assemblies, incorporating more than one of the following: cooking chamber; structural supporting chassis; door; outer case.....	X..... Free		35%
8516.90.45	Printed circuit assemblies.....	X..... Free		35%
8516.90.50	Other.....	X..... Free		35%
	Parts for the cooking stoves, ranges and ovens of subheading 8516.60.40:			
8516.90.55	Cooking chambers, whether or not assembled.....	X..... Free		35%
8516.90.65	Top surface panels with or without heating elements or controls.....	X..... Free		35%
8516.90.75	Door assemblies, incorporating more than one of the following: inner panel; outer panel; window; insulation.....	X..... Free		35%
8516.90.80	Other.....	X..... Free		35%
8516.90.85	Housings for toasters.....	X..... 3.9%	Free	(A, CA, E, IL, J, MX) 35%
8516.90.90	Other.....	X..... 3.9%	Free	(A, E, IL, J, MX) 35%
			1.1%	(CA) <u>2/3/</u>

1/ See subheading 9905.85.58.
2/ See subheading 9905.00.00.
3/ See subheading 9905.85.51.

8517		Electrical apparatus for line telephony or telegraphy, including such apparatus for carrier-current line systems; parts thereof:				
8517.10.00		Telephone sets.....	8.5%	Free	(A*,B,CA,E,IL,J,MX)	35%
		Single line:				
		Without special features:				
	20	Tone signaling only.....	No.			
	40	Other.....	No.			
		Other (such as memory, redial, autodial, speaker and the like):				
	50	Incorporating an automatic answering device.....	No.			
	70	Other.....	No.			
	80	Multiline (including key, call director and consoles).....	No.			
8517.20.00	00	Teleprinters, including teletypewriters.....	No..... 4.7%	Free	(A,CA,E,IL,J,35% MX)	
8517.30		Telephonic or telegraphic switching apparatus:				
		Telephonic switching apparatus (including private branch exchange and key system switching apparatus):				
8517.30.15	00	Central office switching apparatus..	No..... 8.5%	Free	(A*,CA,E,IL,35% J,MX)	
8517.30.20	00	Private branch exchange switching apparatus.....	No..... 8.5%	Free	(A,CA,E,IL,J,35% MX)	
8517.30.25	00	Electronic key telephone systems....	No..... 8.5%	Free	(A,CA,E,IL,J,35% MX)	
8517.30.30	00	Other.....	No..... 8.5%	Free	(A,CA,E,IL,J,35% MX)	
8517.30.50	00	Other.....	X..... 4.2%	Free	(A,CA,E,IL,J,35% MX)	
8517.40		Other apparatus, for carrier-current line systems:				
8517.40.10	00	Modems, of a kind used with data processing machines of heading 8471.....	No..... 4.2%	Free	(A,CA,E,IL,J,35% MX)	
		Other:				
8517.40.50	00	Telephonic.....	X..... 8.5%	Free	(A,B,CA,E,IL,35% J,MX)	
8517.40.70	00	Telegraphic.....	X..... 4.2%	Free	(A,CA,E,IL,J,35% MX)	
8517.81.00		Other apparatus:				
		Telephonic.....	8.5%	Free	(A,B,CA,E,IL,35% J,MX)	
	10	Intercom systems.....	No.			
	20	Other.....	X			
8517.82		Telegraphic:				
8517.82.40	00	Facsimile machines.....	No..... 4.7%	Free	(A,CA,E,IL,J,35% MX)	
8517.82.80	00	Other apparatus.....	X..... 4.7%	Free	(A,CA,E,IL,J,35% MX)	

8517 (con.)		Electrical apparatus for line telephony or telegraphy, including such apparatus for carrier-current line systems; parts thereof (con.):			
8517.90		Parts:			
		Parts of facsimile machines:			
8517.90.04	00	Parts of facsimile machines specified in additional U.S. note 7 to this chapter.....	X.....	4.7%	Free (A, CA, E, IL, J, 35% MX)
8517.90.08	00	Other.....	X.....	4.7%	Free (A, CA, E, IL, J, 35% MX)
		Other parts, incorporating printed circuit assemblies:			
8517.90.12	00	Parts for telephone sets.....	X.....	8.5%	Free (A, B, CA, E, IL, 35% J, MX)
		Parts for articles of subheadings 8517.20, 8517.30, 8517.40.50 and 8517.81:			
8517.90.16	00	For teleprinters, including teletypewriters.....	X.....	4.7%	Free (A, CA, E, IL, J, 35% MX)
8517.90.24	00	For telephonic switching or terminal apparatus.....	X.....	8.5%	Free (A, CA, E, IL, J, 35% MX)
8517.90.26	00	For telegraphic switching apparatus.....	X.....	4.7%	Free (A, CA, E, IL, J, 35% MX)
8517.90.32	00	Other.....	X.....	8.5%	Free (A, B, CA, E, IL, 35% J, MX)
8517.90.34	00	Other.....	X.....	4.7%	Free (A, CA, E, IL, J, 35% MX)
		Other:			
		Printed circuit assemblies:			
8517.90.36	00	For telephonic apparatus: For switching or terminal apparatus (other than telephone sets).....	X.....	8.5%	Free (A, CA, E, IL, J, 35% MX)
8517.90.38	00	Other.....	X.....	8.5%	Free (A, B, CA, E, IL, 35% J, MX)
8517.90.44	00	For telegraphic apparatus.....	X.....	4.7%	Free (A, CA, E, IL, J, 35% MX)
		Parts, including face plates and lock latches, for printed circuit assemblies:			
8517.90.48	00	For telephonic apparatus: For switching or terminal apparatus (other than telephone sets).....	X.....	8.5%	Free (A, CA, E, IL, J, 35% MX)
8517.90.52	00	Other.....	X.....	8.5%	Free (A, B, CA, E, IL, 35% J, MX)
8517.90.56	00	For telegraphic apparatus.....	X.....	4.7%	Free (A, CA, E, IL, J, 35% MX)
		Other:			
8517.90.58	00	For telephonic apparatus: For switching or terminal apparatus (other than telephone sets).....	X.....	8.5%	Free (A, CA, E, IL, J, 35% MX)
8517.90.64	00	Other.....	X.....	8.5%	Free (A, B, CA, E, IL, 35% J, MX)
8517.90.66	00	For telegraphic apparatus.....	X.....	4.7%	Free (A, CA, E, IL, J, 35% MX)

8518		Microphones and stands therefor; loudspeakers, whether or not mounted in their enclosures; headphones, earphones and combined microphone/speaker sets; audio-frequency electric amplifiers; electric sound amplifier sets; parts thereof:			
8518.10.00		Microphones and stands therefor.....	4.9%	Free	(A, B, C, E, IL, 35% J, MX) 1.4% (CA)
	20	Microphones.....	No.		
	40	Other.....	X		
		Loudspeakers, whether or not mounted in their enclosures:			
8518.21.00	00	Single loudspeakers, mounted in their enclosures.....	No..... 4.9%	Free	(A, B, C, E, IL, 35% J, MX) 1.4% (CA) <u>1/</u>
8518.22.00	00	Multiple loudspeakers, mounted in the same enclosure.....	No..... 4.9%	Free	(A, B, C, E, IL, 35% J, MX) 1.4% (CA)
8518.29.00	00	Other.....	No..... 4.9%	Free	(A, B, C, E, IL, 35% J, MX) 1.4% (CA)
8518.30		Headphones, earphones and combined microphone/speaker sets:			
8518.30.10	00	Telephone handsets.....	No..... 8.5%	Free	(A, B, CA, E, IL, 35% J, MX)
8518.30.20	00	Other.....	No..... 4.9%	Free	(A, B, C, CA, E, 35% IL, J, MX)
8518.40		Audio-frequency electric amplifiers:			
8518.40.10	00	For use as repeaters in line telephony...	No..... 8.5%	Free	(A, B, E, IL, J, 35% MX) 2.5% (CA) <u>2/</u>
8518.40.20	00	Other.....	No..... 4.9%	Free	(A, B, C, E, IL, 35% J, MX) 1.4% (CA) <u>2/</u>
8518.50.00	00	Electric sound amplifier sets.....	No..... 4.9%	Free	(A, B, C, E, IL, 35% J, MX) 1.4% (CA) <u>3/</u>
8518.90		Parts:			
8518.90.10	00	Of telephone handsets and repeaters.....	No..... 8.5%	Free	(A, B, CA, E, IL, 35% J, MX)
8518.90.30	00	Other.....	X..... 4.9%	Free	(A, B, CA, E, IL, 35% J, MX)

1/ See subheading 9905.00.00.
2/ See subheading 9905.85.59.
3/ See subheading 9905.85.61.

8519		Turntables, record players, cassette players and other sound reproducing apparatus, not incorporating a sound recording device:				
8519.10.00	00	Coin- or token-operated record players.....	No.....	3.1%	Free	(A, E, IL, J, MX) 35% 1.1% (CA)
8519.21.00	00	Other record players: Without loudspeaker.....	No.....	3.1%	Free	(A, B, E, IL, J, 35% MX) 1.1% (CA)
8519.29.00		Other.....		3.9%	Free	(A, B, E, IL, J, 35% MX) 1.1% (CA)
	20	Stereo.....	No.			
	40	Other.....	No.			
8519.31.00	00	Turntables: With automatic record changing mechanism.	No.....	3.9%	Free	(A, B, E, IL, J, 35% MX) 1.1% (CA)
8519.39.00		Other.....		3.1%	Free	(A, B, E, IL, J, 35% MX) 1.1% (CA)
	20	Automatic tone arm operation.....	No.			
	40	Other.....	No.			
8519.40.00	00	Transcribing machines.....	No.....	3.9%	Free	(A, B, E, IL, J, 35% MX) 1.1% (CA)
		Other sound reproducing apparatus:				
8519.91		Cassette type:				
8519.91.10	00	Designed exclusively for motor-vehicle installation.....	No.....	3.7%	Free	(A, B, CA, E, 35% IL, J, MX)
8519.91.50		Other.....		3%	Free	(A, E, IL, J, MX) 35% 1.1% (CA)
	40	AC only.....	No.			
	60	Other: Without speakers, other than headphones, ear phones or headsets.....	No.			
	80	Other.....	No.			
8519.99.00		Other.....		3.1%	Free	(A, B, E, IL, J, 35% MX) 1.1% (CA)
	30	Cartridge-type tape players.....	No.			
	45	Optical disc (including compact disc) players.....	No.			
	60	Other.....	No.			

8520		Magnetic tape recorders and other sound recording apparatus, whether or not incorporating a sound reproducing device:				
8520.10.00	00	Dictating machines not capable of operating without an external source of power.....	No.....	3.1%	Free	(A, B, E, IL, J, 35% MX)
					1.1%	(CA)
8520.20.00		Telephone answering machines.....		3.1%	Free	(A, E, IL, J, MX) 35%
	40	Announce and record machines.....	No.		1.1%	(CA)
	80	Other.....	No.			
		Other magnetic tape recorders incorporating sound reproducing apparatus:				
8520.31.00		Cassette type.....		3.1%	Free	(A, B, E, IL, J, 35% MX)
					1.1%	(CA) <u>1/</u>
	20	Microcassette type.....	No.			
		Other:				
		AC only:				
	40	Stereo.....	No.			
	60	Other.....	No.			
		Other:				
	70	Without speakers other than headphones, ear-phones or headsets.....	No.			
	90	Other.....	No.			
8520.39.00		Other.....		3.1%	Free	(A, B, E, IL, J, 35% MX)
					1.1%	(CA)
	10	Cartridge type.....	No.			
		Other:				
		AC only:				
	50	Stereo.....	No.			
	60	Other.....	No.			
	70	Other.....	No.			
8520.90.00		Other.....		3.1%	Free	(A, B, C, E, IL, 35% J, MX)
					1.1%	(CA)
	40	Optical disc recorders.....	No.			
	80	Other.....	No.			
8521		Video recording or reproducing apparatus, whether or not incorporating a video tuner:				
8521.10		Magnetic tape-type				
		Color, cartridge or cassette type:				
8521.10.30	00	Not capable of recording.....	No.....	3.1%	Free	(A, C, CA, E, IL 35% J, MX)
8521.10.60	00	Other.....	No.....	3.1%	Free	(A*, C, CA, E, IL 35% J, MX)
8521.10.90	00	Other.....	No.....	3.1%	Free	(A, C, CA, E, IL, 35% J, MX)
8521.90.00	00	Other.....	No.....	3%	Free	(CA, E, IL, J, 35% MX)

1/ See subheading 9905.00.00.

8522		Parts and accessories of apparatus of headings 8519 to 8521:			
8522.10.00	00	Pickup cartridges.....	No.....	3.9%	Free (A,B,E,IL,J, 35% MX) 1.1% (CA)
8522.90		Other: Assemblies and subassemblies of articles provided for in subheading 8520.90, consisting of two or more pieces fastened or joined together:			
8522.90.25	00	Printed circuit assemblies.....	X.....	3.5%	Free (A,B,C,E,IL, 35% J,MX) 1.1% (CA) <u>1/</u>
8522.90.35	00	Other.....	X.....	3.5%	Free (A,B,C,E,IL, 35% J,MX) 1.1% (CA) <u>1/</u>
8522.90.45	00	Parts of telephone answering machines: Printed circuit assemblies.....	X.....	3.5%	Free (A,CA,E,IL,J, 35% MX)
8522.90.55		Other.....		3.5%	Free (A,CA,E,IL,J, 35% MX)
	40	Magnetic recording and reproducing heads.....	X		
	80	Other.....	X		
8522.90.65	00	Other: Printed circuit assemblies.....	X.....	3.5%	Free (A,B,E,IL,J, 35% MX) 1.1% (CA) <u>1/</u>
8522.90.75		Other.....		3.5%	Free (A,B,E,IL,J, 35% MX) 1.1% (CA) <u>1/</u>
	40	Magnetic recording and reproducing heads.....	X		
	80	Other.....	X		

1/ See subheadings 9905.00.00 and 9905.85.53.

8523		Prepared unrecorded media for sound recording or similar recording of other phenomena, other than products of chapter 37:			
		Magnetic tapes:			
8523.11.00	00	Of a width not exceeding 4 mm.....	No.....	3.4%	Free (A, E, IL, J, MX) 80% 1.2% (CA)
8523.12.00		Of a width exceeding 4 mm but not exceeding 6.5 mm.....		3.4%	Free (A, E, IL, J, MX) 80% 1.2% (CA)
		Suitable for audio recording:			
	10	In cartridges.....	No.		
	20	Other.....	X		
	40	Suitable for video recording.....	X		
	60	Other.....	X		
8523.13.00		Of a width exceeding 6.5 mm.....		3.4%	Free (A, E, IL, J, MX) 80% 1.2% (CA) <u>1</u> /
	20	Suitable for audio recording.....	X		
		Suitable for video recording:			
	40	In cassettes.....	No.		
	60	Other.....	X		
	80	Other.....	X		
8523.20.00	00	Magnetic discs.....	No.....	3.4%	Free (A, CA, E, IL, J, 80% MX)
8523.90.00	00	Other.....	X.....	3.4%	Free (A, E, IL, J, MX) 80% 1.2% (CA) <u>2</u> /

1/ See subheading 9905.85.62.

2/ See subheading 9905.85.63.

8524	Records, tapes and other recorded media for sound or other similarly recorded phenomena, including matrices and masters for the production of records, but excluding products of chapter 37:				
8524.10.00	Phonograph records.....	3.3%		Free (A,E,IL,J,MX) 30% 1.1% (CA)	
20	Stereophonic and quadraphonic, at 33-1/3 r.p.m.	No.			
40	Other.....	No.			
8524.21	Magnetic tapes:				
8524.21.10	Of a width not exceeding 4 mm:				
8524.21.10	00 News sound recordings relating to current events.....	X.....	Free		Free
8524.21.30	Other recordings.....		8.7¢/m ² of recording surface	Free (A,E,IL,J,MX) 2.9¢/m ² of recording surface (CA)	86.1¢/m ² of recording surface
40	Sound recordings on cassette tapes.....	No. v			
80	Other.....	No. v			
8524.22	Of a width exceeding 4 mm but not exceeding 6.5 mm:				
8524.22.10	Video tape recordings.....		0.59¢/lin. m	Free (A,E,IL,J,MX) 0.1¢/lin. m (CA)	3.3¢/lin. m
40	In cassettes.....	lin. m v			
80	Other.....	No. lin. m			
8524.22.20	00 Other tape recordings.....	m ²	8.7¢/m ² of recording surface	Free (A,E,IL,J,MX) 2.9¢/m ² of recording surface (CA)	86.1¢/m ²
of record- ing sur- face					
8524.23	Of a width exceeding 6.5 mm:				
8524.23.10	Video tape recordings.....		0.53¢/lin. m	Free (A,E,IL,J,MX) 0.1¢/lin. m (CA)	3.3¢/lin. m
40	Of a width not exceeding 16 mm, in cassettes.....	lin. m v			
80	Other.....	No. lin. m			
8524.23.20	00 Other tape recordings	m ²	8.7¢/m ² of recording surface	Free (A,E,IL,J,MX) 2.9¢/m ² of recording surface (CA)	86.1¢/m ²
of record- ing sur- face					
8524.90	Other:				
8524.90.20	00 Master records or metal matrices therefrom for use in the production of sound records for export; recordings on wire... X.....		Free		Free
8524.90.30	00 Video discs.....	No.....	4.8%	Free (A,E,IL,J,MX) 1.5% (CA)	80%
8524.90.40	Other.....		7.8¢/m ² of recording surface	Free (A,E,IL,J,MX) 2.9¢/m ² of recording surface (CA)	86.1¢/m ²
of record- ing sur- face					
40	Laser disc sound recordings.....	No. v			
	Prepackaged software for automatic data processing machines, of a kind sold at retail:				
50	Recorded on magnetic media.....	No. v			
60	Other.....	No. v			
90	Other.....	No. v			

1/ See subheading 9907.85.02.

8525		Transmission apparatus for radiotelephony, radiotelegraphy, radiobroadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras:		
8525.10		Transmission apparatus:		
8525.10.20		Television.....	3.3%	Free (B, CA, E, IL, J, 35% MX)
10		Apparatus for the reception of television signals relayed by television satellite.....	No.	
		Other:		
30		Converters, decoders, pre-amplifiers, line amplifiers, distribution amplifiers and other amplifiers; directional couplers and other couplers; all the foregoing designed for cable or closed-circuit television applications.....	X	
40		Other.....	X	
8525.10.60		Other: Transmitters.....	5.4%	Free (A, B, C, CA, E, 35% IL, J, MX)
		Capable of transmitting on frequencies <u>1</u> /:		
20		Not exceeding 30 MHz.....	No.	
40		Exceeding 30 MHz but not exceeding 400 MHz.....	No.	
60		Exceeding 400 MHz but not exceeding 1,000 MHz...	No.	
80		Exceeding 1,000 MHz.....	No.	
8525.10.80	00	Other.....	X..... 5.4%	Free (A, B, C, CA, E, 35% IL, J, MX)

1/ See statistical note 4 to this chapter.

8525 (con.)		Transmission apparatus for radiotelephony, radiotelegraphy, radiobroadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras (con.):			
8525.20		Transmission apparatus incorporating reception apparatus:			
		Transceivers:			
		Citizens Band (CB):			
8525.20.05	00	Hand-held.....	No.....	5.4%	Free (A, B, CA, E, IL, 35% J, MX)
8525.20.15	00	Other.....	No.....	5.4%	Free (A, B, CA, E, IL, 35% J, MX)
		Low-power radiotelephonic transceivers operating on frequencies from 49.82 to 49.90 MHz:			
8525.20.24	00	Infant nursery intercommunication systems, each consisting in the same package of a pair of transceivers operating on frequencies from 49.82 to 49.90 MHz and an electrical adapter.....	No.....	Free	35%
8525.20.28	00	Other.....	No.....	2.2%	Free (A, CA, E, IL, 35% J, MX)
8525.20.30		Other.....		5.4%	Free (A, B, C, CA, E, 35% IL, J, MX)
	10	Hand-held: For frequencies not exceeding 30 MHz <u>1</u> /.....	No.		
	15	For frequencies exceeding 30 MHz but not exceeding 400 MHz <u>1</u> /.....	No.		
	25	For frequencies exceeding 400 MHz <u>1</u> /.....	No.		
	40	Other: Marine VHF-FM	No.		
		Other: For frequencies not exceeding 30 MHz <u>1</u> /: Amateur.....	No.		
	60	Other.....	No.		
	65	For frequencies exceeding 30 MHz but not exceeding 400 MHz <u>1</u> /.....	No.		
	70				
	80	For frequencies exceeding 400 MHz <u>1</u> /.....	No.		
		Other: Cordless handset telephones.....	No.....	4.8%	Free (A, B, C, CA, E 35% IL, J, MX)
8525.20.50	00				
8525.20.60		Other.....		4.8%	Free (A, B, C, CA, E 35% IL, J, MX)
	20	Radio telephones designed for installation in motor vehicles for the Public Cellular Radiotelecommunication Service.....	No.		
		Other radio telephones designed for the Public Cellular Radiotelecommunication Service:			
	60	Units weighing over 1 kg..	No.		
	70	Other.....	No.		
	80	Other.....	X		

1/ See statistical note 4 to this chapter.

8525 (con.)		Transmission apparatus for radiotelephony, radiotelegraphy, radiobroadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras (con.):			
8525.30		Television cameras:			
8525.30.30	00	Gyrostabilized television cameras.....	No.....	3.8%	Free (A, CA, E, IL, J, 35% MX)
8525.30.60	00	Studio television cameras, excluding shoulder-carried and other portable cameras.....	No.....	3.8%	Free (A, CA, E, IL, J, 35% MX)
8525.30.90		Other.....		3.8%	Free (A, CA, E, IL, J, 35% MX)
		Color:			
		Camcorders:			
	10	8 mm.....	No.		
	30	Other.....	No.		
	40	Other.....	No.		
	60	Other.....	No.		
8526		Radar apparatus, radio navigational aid apparatus and radio remote control apparatus:			
8526.10.00		Radar apparatus.....		3.9%	Free (A, C, CA, E, IL, J, MX)
	20	Designed for boat or ship installation...	No.		
	40	Other.....	No.		
		Other:			
8526.91.00		Radio navigational aid apparatus.....		3.9%	Free (A, C, CA, E, IL, J, MX)
	20	Reception only apparatus.....	No.		
	40	Other.....	No.		
8526.92.00	00	Radio remote control apparatus.....	X.....	4.9%	Free (A, C, CA, E, IL, J, MX)

8527		Reception apparatus for radiotelephony, radiotelegraphy or radiobroadcasting, whether or not combined, in the same housing, with sound recording or reproducing apparatus or a clock: Radiobroadcast receivers capable of operating without an external source of power, including apparatus capable of receiving also radiotelephony or radiotelegraphy:			
8527.11		Combined with sound recording or reproducing apparatus:			
8527.11.11		Combinations incorporating tape players which are incapable of recording.....	3%	Free	(A, CA, E, IL, J, 35% MX)
	40	Incorporating optical disc (including compact disc) players or recorders.....	No.		
	80	Other.....	No.		
8527.11.20		Other: Radio-tape recorder combinations.....	3.9%	Free	(CA, E, IL, J, 35% MX)
		Cassette type: Stereo:			
	20	Without speakers, other than headphones, earphones or headsets.....	No.		
	40	Other.....	No.		
	60	Other.....	No.		
	80	Other.....	No.		
8527.11.40	00	Radio-phonograph combinations..	No..... 3.5%	Free	(CA, E, IL, J, 35% MX)

8527 (con.)		Reception apparatus for radiotelephony, radio-telegraphy or radiobroadcasting, whether or not combined, in the same housing, with sound recording or reproducing apparatus or a clock (con.):			
		Radiobroadcast receivers capable of operating without an external source of power, including apparatus capable of receiving also radiotelephony or radiotelegraphy (con.):			
8527.11		Combined with sound recording or reproducing apparatus (con.):			
		Other (con.):			
8527.11.60		Other.....	3%	Free (A, CA, E, IL, J, MX)	35%
	40	Incorporating optical disc (including compact disc) players or recorders.....	No.		
	80	Other.....	No.		
8527.19		Other:			
8527.19.10	00	Valued not over \$40 each, incorporating a clock or clock-timer, not in combination with any other article, and not designed for motor vehicle installation.....	No.....	Free	35%
8527.19.50		Other.....	5.4%	Free (A, CA, E, IL, J, MX)	35%
	15	Incorporating a clock or clock-timer.....	No.		
		Other:			
	20	AM only.....	No.		
	35	FM only or AM/FM only.....	No.		
	45	Other.....	No.		
		Radiobroadcast receivers not capable of operating without an external source of power, of a kind used in motor vehicles, including apparatus capable of receiving also radiotelephony or radiotelegraphy:			
8527.21		Combined with sound recording or reproducing apparatus:			
8527.21.10		Radio-tape player combinations.....	3.4%	Free (A*, B, CA, E, IL, J, MX)	35%
	05	Incorporating optical disc (including compact disc) players or recorders.....	No.		
		Other:			
		Cassette type:			
	15	Stereo.....	No.		
	20	Other.....	No.		
	30	Other.....	No.		
8527.21.40		Other.....	3.9%	Free (B, CA, E, IL, J, MX)	35%
	40	Incorporating optical disc (including compact disc) players or recorders.....	No.		
	80	Other.....	No.		
8527.29		Other:			
8527.29.40	00	FM only or AM/FM only.....	No.....	7.3%	Free (A, B, CA, E, IL, J, MX)
8527.29.80		Other.....	7.3%	Free (B, CA, E, IL, J, MX)	35%
	20	AM only.....	No.		
	60	Other.....	No.		

8527 (con.)		Reception apparatus for radiotelephony, radio-telegraphy or radiobroadcasting, whether or not combined, in the same housing, with sound recording or reproducing apparatus or a clock (con.):				
		Other radiobroadcast receivers, including apparatus capable of receiving also radiotelephony or radiotelegraphy:				
8527.31		Combined with sound recording or reproducing apparatus:				
8527.31.05	00	Articles designed for connection to telegraphic or telephonic apparatus or instruments or to telegraphic or telephonic networks.....	No.....	4.9%	Free (CA, E, IL, J, MX)	35%
		Other:				
8527.31.40		Combinations incorporating tape players which are incapable of recording.....		3.2%	Free (A, CA, E, IL, J, MX)	35%
	40	Incorporating optical disc (including compact disc) players or recorders.....	No.			
	80	Other.....	No.			
8527.31.50		Other combinations incorporating tape recorders....		4.4%	Free (CA, E, IL, J, MX)	35%
	05	Incorporating optical disc (including compact disc) players or recorders.....	No.			
	25	Other:				
	40	Cassette type.....	No.			
	65	Cartridge type.....	No.			
		Other.....	No.			
8527.31.60		Other.....		3.5%	Free (CA, E, IL, J, MX)	35%
	40	Incorporating optical disc (including compact disc) players or recorders.....	No.			
	80	Other.....	No.			
8527.32		Not combined with sound recording or reproducing apparatus but combined with a clock:				
8527.32.10		Valued not over \$40 each.....		Free		35%
	10	Incorporating a digital clock or clock-timer.....	No.			
	30	Other.....	No.			
8527.32.50		Other.....		5.4%	Free (A, CA, E, IL, J, MX)	35%
	10	Incorporating a digital clock or clock-timer.....	No.			
	30	Other.....	No.			
8527.39.00		Other.....		5.4%	Free (A, CA, E, IL, J, MX)	35%
	20	Without speaker(s).....	No.			
	40	Other.....	No.			
8527.90		Other apparatus:				
8527.90.40	00	Articles designed for connection to telegraphic or telephonic apparatus or instruments or to telegraphic or telephonic networks.....	No.....	3.9%	Free (CA, E, IL, J, MX)	35%

8527 (con.)		Reception apparatus for radiotelephony, radio- telegraphy or radiobroadcasting, whether or not combined, in the same housing, with sound re- cording or reproducing apparatus or a clock (con.):			
8527.90 (con.)		Other apparatus (con.):			
		Other:			
8527.90.50	00	Infant nursery monitor systems, each consisting in the same package of a radio transmitter, an electrical adapter, and a radio receiver.....	No.....	Free	35%
8527.90.90		Other.....		6%	Free (A,B,C,CA,E, IL,J,MX)
		Radiotelephonic or radio- telegraphic receivers:			
	10	Radio paging receivers....	No.		
		Other, capable of receiving signals on frequencies <u>1</u> / Not exceeding 30 MHz:			
	20	Citizens Band (CB).....	No.		
	30	Other.....	No..		
	40	Exceeding 30 MHz but not exceeding 400 MHz.....	No.		
	50	Exceeding 400 MHz but not exceeding 1,000 MHz.....	No.		
	60	Exceeding 1,000 MHz..	No.		
	90	Other.....	X		

1/ See statistical note 4 to this chapter.

8528		Television receivers (including video monitors and video projectors), whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus:			
8528.10		Color:	Incomplete or unfinished (including assemblies for television receivers consisting of all the parts specified in additional U.S. note 10 to this chapter plus a power supply, and assemblies for video monitors and video projectors consisting of the parts specified in subparagraphs (a), (b), (c) and (e) in additional U.S. note 10 to this chapter plus a power supply), not incorporating a cathode-ray tube, flat panel screen or similar display device:		
8528.10.04	00		Incorporating video recording or reproducing apparatus.....	No.....	3.1% Free (A, E, IL, J, MX) 25% 1.1% (CA)
8528.10.08	00		Other.....	No.....	4% Free (B, E, IL, J, MX) 35% 1.5% (CA)
		Non-high definition, having a single picture tube intended for direct viewing (non-projection type), with a video display diagonal not exceeding 35.56 cm:			
8528.10.11	00		Incorporating video recording or reproducing apparatus: With a video display diagonal not exceeding 33.02 cm.....	No.....	3.1% Free (A, E, IL, J, MX) 25% 1.1% (CA)
8528.10.13	00		Other.....	No.....	3.9% Free (A, E, IL, J, MX) 25% 1.1% (CA)

8528 (con.)	Television receivers (including video monitors and video projectors), whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus (con.):		
8528.10 (con.)	Color (con.):		
	Non-high definition, having a single picture tube intended for direct viewing (non-projection type), with a video display diagonal not exceeding 35.56 cm (con.):		
	Other:		
8528.10.17	With a video display diagonal not exceeding 33.02 cm.....	4%	Free (B,E,IL,J,MX) 35% 1.5% (CA)
10	Combined with radiobroadcast receivers or sound recording or reproducing apparatus.....	No.	
	Other:		
	Television receivers containing in a single housing apparatus for receiving and displaying from off-the-air each standard U.S. broadcast channel, with or without external speakers, having a single picture tube intended for direct viewing, with a video display diagonal:		
12	Not exceeding 21 cm..	No.	
14	Exceeding 21 cm but not exceeding 26 cm..	No.	
15	Exceeding 26 cm.....	No.	
80	Other.....	No.	
8528.10.19	Other.....	5%	Free (B,E,IL,J,MX) 35% 1.5% (CA)
10	Combined with radiobroadcast receivers or sound recording or reproducing apparatus.....	No.	
	Other:		
20	Television receivers containing in a single housing apparatus for receiving and displaying from off-the-air each standard U.S. broadcast channel, with or without external speakers, having a single picture tube intended for direct viewing, with a video display diagonal.....	No.	
80	Other.....	No.	

8528 (con.)		Television receivers (including video monitors and video projectors), whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus (con.):			
8528.10 (con.)		Color (con.):			
		Non-high definition, having a single picture tube intended for direct viewing (non-projection type), with a video display diagonal exceeding 35.56 cm:			
8528.10.24	00	Incorporating video recording or reproducing apparatus.....	No.....	3.9%	Free (A,E,IL,J,MX) 25% 1.1% (CA)
8528.10.28		Other.....		5%	Free (B,E,IL,J,MX) 35% 1.5% (CA)
	05	Combined with radiobroadcast receivers or sound recording or reproducing apparatus.....	No.		
		Other:			
		Television receivers containing in a single housing apparatus for receiving and displaying from off-the-air each standard U.S. broadcast channel, with or without external speakers, having a single picture tube intended for direct viewing, with a video display diagonal:			
	24	Not exceeding 37 cm.....	No.		
	28	Exceeding 37 cm but not exceeding 39 cm.....	No.		
	30	Exceeding 39 cm but not exceeding 45 cm.....	No.		
	35	Exceeding 45 cm but not exceeding 50 cm.....	No.		
	38	Exceeding 50 cm but not exceeding 52 cm.....	No.		
	42	Exceeding 52 cm	No.		
	90	Other.....	No.		
		Non-high definition, projection type, with a cathode-ray tube:			
8528.10.34	00	Incorporating video recording or reproducing apparatus.....	No.....	3.9%	Free (A,E,IL,J,MX) 25% 1.1% (CA)
8528.10.38	00	Other.....	No.....	5%	Free (B,E,IL,J,MX) 35% 1.5% (CA)
		High definition, non-projection type, with a cathode-ray tube:			
8528.10.44	00	Incorporating video recording or reproducing apparatus.....	No.....	3.9%	Free (A,E,IL,J,MX) 25% 1.1% (CA)
8528.10.48	00	Other.....	No.....	5%	Free (B,E,IL,J,MX) 35% 1.5% (CA)
		High definition, projection type, with a cathode-ray tube:			
8528.10.54	00	Incorporating video recording or reproducing apparatus.....	No.....	3.9%	Free (A,E,IL,J,MX) 25% 1.1% (CA)
8528.10.58	00	Other.....	No.....	5%	Free (B,E,IL,J,MX) 35% 1.5% (CA)

8528 (con.)	Television receivers (including video monitors and video projectors), whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus (con.):				
8528.10 (con.)	Color (con.):				
	With a flat panel screen:				
	Incorporating video recording or reproducing apparatus:				
8528.10.61	00	With a video display diagonal not exceeding 33.02 cm.....	No..... 3.1%	Free (A, E, IL, J, MX) 25% 1.1% (CA)	
8528.10.63	00	Other.....	No..... 3.9%	Free (A, E, IL, J, MX) 25% 1.1% (CA)	
	Other:				
8528.10.67	00	With a video display diagonal not exceeding 33.02 cm.....	No..... 4%	Free (B, E, IL, J, MX) 35% 1.5% (CA)	
8528.10.69	00	Other.....	No..... 5%	Free (B, E, IL, J, MX) 35% 1.5% (CA)	
	Other:				
	Incorporating video recording or reproducing apparatus:				
8528.10.71	00	With a video display diagonal not exceeding 33.02 cm.....	No..... 3.1%	Free (A, E, IL, J, MX) 25% 1.1% (CA)	
8528.10.73	00	Other.....	No..... 3.9%	Free (A, E, IL, J, MX) 25% 1.1% (CA)	
	Other:				
8528.10.77	00	With a video display diagonal not exceeding 33.02 cm.....	No..... 4%	Free (B, E, IL, J, MX) 35% 1.5% (CA)	
8528.10.79	00	Other.....	No..... 5%	Free (B, E, IL, J, MX) 35% 1.5% (CA)	

8528
 (con.)

Television receivers (including video monitors and video projectors), whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus (con.):

8528.20.00

Black and white or other monochrome..... 5%

Free (B,E,IL,J,MX) 35%
 1.5% (CA)

Combined with radiobroadcast receivers or sound or video recording or reproducing apparatus, having a video display diagonal:

05 Not exceeding 16 cm..... No.
 10 Other..... No.

Other:

Television receivers containing in a single housing apparatus for receiving and displaying from off-the-air each standard U.S. broadcast channel, with or without external speakers, having a single picture tube intended for direct viewing, with a video display diagonal:

20 Not exceeding 17 cm..... No.
 25 Exceeding 17 cm but not exceeding 22 cm..... No.

30 Exceeding 22 cm but not exceeding 26 cm..... No.

35 Exceeding 26 cm but not exceeding 33 cm..... No.

40 Exceeding 33 cm but not exceeding 45 cm..... No.

45 Exceeding 45 cm but not exceeding 48 cm..... No.

50 Exceeding 48 cm..... No.

Other:

55 Having a single picture tube intended for direct viewing..... No.

60 Other..... No.

8529	Parts suitable for use solely or principally with the apparatus of headings 8525 to 8528:				
8529.10	Antennas and antenna reflectors of all kinds; parts suitable for use therewith:				
8529.10.20	Television.....	.....	3.3%	Free	(B, CA, E, IL, J, 35% MX)
	Antennas:				
20	Receiving only.....	No			
50	Other.....	No			
90	Other.....	X			
8529.10.40	Radar, radio navigational aid and radio remote control.....	.....	4.4%	Free	(A, C, CA, E, IL, 35% J, MX)
40	Antennas.....	No			
80	Other.....	X			
8529.10.60	Other.....	X.....	5.4%	Free	(A, B, C, CA, E 35% IL, J, MX)
8529.90	Other:				
	Printed circuit assemblies:				
	Of television apparatus:				
8529.90.01	Tuners.....	No.....	4.6%	Free	(A, E, IL, J, MX) 35% 1.5% (CA) <u>1/2/</u>
	Printed circuit boards and ceramic substrates with components assembled thereon, for color television receivers; subassemblies containing one or more of such boards or substrates, except tuners or convergence assemblies:				
8529.90.03	Entered with components enumerated in additional U.S. note 4 to this chapter.....	No. <u>3/</u> ..	4.8%	Free	(B, E, IL, J, MX) 35% 1.5% (CA) <u>1/2/</u>
8529.90.06	Other.....	No. <u>3/</u> ..	3%	Free	(B, E, IL, J, MX) 35% 1.1% (CA) <u>1/2/</u>
	Other:				
8529.90.09	For television cameras....	X.....	4%	Free	(A, CA, E, IL, J, 35% MX)
8529.90.13	Other.....	X.....	3.5%	Free	(B, E, IL, J, MX) 35% 1.1% (CA) <u>1/2/</u>
	Of radar, radio navigational aid or radio remote control apparatus:				
8529.90.16	Assemblies and subassemblies, consisting of 2 or more parts or pieces fastened or joined together.....	.....	4.6%	Free	(A, C, CA, E, IL, 35% J, MX)
20	Of radar apparatus.....	X			
40	Of radio navigational aid apparatus (except radar).....	X			
60	Other.....	X			
8529.90.19	Other.....	.....	4.6%	Free	(A, CA, E, IL, J, 35% MX)
20	Of radar apparatus.....	X			
40	Of radio navigational aid apparatus (except radar).....	X			
60	Other.....	X			
8529.90.23	Other.....	X.....	4.7%	Free	(A, B, CA, E, IL, 35% J, MX)

1/ See subheading 9905.85.55.

2/ See subheading 9905.00.00.

3/ Report quantity as indicated in additional U.S. note 4(b) to this chapter.

8529 (con.)		Parts suitable for use solely or principally with the apparatus of headings 8525 to 8528 (con.):			
8529.90 (con.)		Other (con.):			
8529.90.26	00	Transceiver assemblies for the apparatus of subheading 8526.10, other than printed circuit assemblies..... X.....	4.6%	Free	(A, C, CA, E, IL, 35% J, MX)
		Parts of television receivers specified in additional U.S. note 10 to this chapter, other than printed circuit assemblies:			
8529.90.29	00	Tuners..... No.....	4.6%	Free	(A, E, IL, J, MX) 35% 1.5% (CA) <u>1/2/</u>
		Subassemblies, for color television receivers, containing two or more printed circuit boards or ceramic substrates with components assembled thereon, except tuners or convergence assemblies:			
8529.90.33	00	Entered with components enumerated in additional U.S. note 4 to this chapter.... No. <u>3/</u> ..	4.8%	Free	(B, E, IL, J, MX) 35% 1.5% (CA) <u>1/2/</u>
8529.90.36	00	Other..... No. <u>3/</u> ..	3%	Free	(B, E, IL, J, MX) 35% 1.1% (CA) <u>1/2/</u>
8529.90.39	00	Other..... X.....	3.5%	Free	(B, E, IL, J, MX) 35% 1.1% (CA) <u>1/2/</u>
		Combinations of parts specified in additional U.S. note 10 to this chapter:			
		Subassemblies, for color television receivers, containing two or more printed circuit boards or ceramic substrates with components assembled thereon, except tuners or convergence assemblies:			
8529.90.43	00	Entered with components enumerated in additional U.S. note 4 to this chapter.... No. <u>3/</u> ..	4.8%	Free	(B, E, IL, J, MX) 35% 1.5% (CA) <u>1/2/</u>
8529.90.46	00	Other..... No. <u>3/</u> ..	3%	Free	(B, E, IL, J, MX) 35% 1.1% (CA) <u>1/2/</u>
8529.90.49	00	Other..... X.....	3.5%	Free	(B, E, IL, J, MX) 35% 1.1% (CA) <u>1/2/</u>
8529.90.53	00	Flat panel screen assemblies for the apparatus of subheadings 8528.10.64 and 8528.10.68..... X.....	3.5%	Free	(B, E, IL, J, MX) 35% 1.1% (CA) <u>1/2/</u>
		Other, parts of printed circuit assemblies, including face plates and lock latches:			
		Of television apparatus:			
8529.90.63	00	For television cameras..... X.....	4%	Free	(A, CA, E, IL, J, 35% MX)
8529.90.69	00	Other..... X.....	3.5%	Free	(B, E, IL, J, MX) 35% 1.1% (CA)
8529.90.73	00	Of radar, radio navigational aid or radio remote control apparatus..... X.....	4.6%	Free	(A, CA, E, IL, J, 35% MX)
8529.90.76	00	Other..... X.....	4.7%	Free	(A, B, CA, E, IL, 35% J, MX)

1/ See subheading 9905.85.55.

2/ See subheading 9905.00.00.

3/ Report quantity as indicated in additional U.S. note 4(b) to this chapter.

8529 (con.) 8529.90 (con.)	Parts suitable for use solely or principally with the apparatus of headings 8525 to 8528 (con.): Other (con.):				
	Other parts of articles of headings 8525 and 8527, except parts of cellular telephones: Of televisions apparatus: For television cameras:				
8529.90.78	00	Mounted lenses suitable for use in, and entered separately from, closed-circuit television cameras, with or without attached electrical or non-electrical closed-circuit television camera connectors, and with or without attached motors.....	No.....	Free	35%
8529.90.81	00	Other.....	X.....	4%	Free (A, CA, E, IL, J, MX) 35%
8529.90.83	00	Other.....	X.....	3.5%	Free (B, E, IL, J, MX) 35%
8529.90.85	00	Other.....	X.....	4.7%	Free (A, B, CA, E, IL, J, MX) 35%
		Other:			
		Of television receivers: Subassemblies, for color television receivers, containing two or more printed circuit boards or ceramic substrates with components assembled thereon, except tuners or convergence assemblies:			
8529.90.86	00	Entered with components enumerated in additional U.S. note 4 to this chapter.....	No. <u>3</u> /..	4.8%	Free (B, E, IL, J, MX) 35%
8529.90.89	00	Other.....	No. <u>3</u> /..	3%	Free (B, E, IL, J, MX) 35%
8529.90.93		Other.....		3.5%	Free (B, E, IL, J, MX) 35%
	45	Convergence assemblies, focus coils and degaussing coils.....	X		1.1% (CA) <u>1/2</u> /
	80	Other.....	X		1.1% (CA) <u>1/2</u> /
		Of radar, radio navigational aid or radio remote control apparatus: Assemblies and subassemblies, consisting of 2 or more parts or pieces fastened or joined together.....		4.6%	Free (A, C, CA, E, IL, J, MX) 35%
8529.90.95		Of radar apparatus.....	X		
	20	Of radio navigational aid apparatus (except radar).....	X		
8529.90.97	60	Other.....	X	4.6%	Free (A, CA, E, IL, J, MX) 35%
	20	Of radar apparatus.....	X		
	40	Of radio navigational aid apparatus (except radar).....	X		
	60	Other.....	X		
8529.90.99	00	Other.....	X.....	4.7%	Free (A, B, CA, E, IL, J, MX) 35%

1/ See subheading 9905.85.55.

2/ See subheading 9905.00.00.

3/ Report quantity as indicated in additional U.S. note 4(b) to this chapter.

8530		Electrical signaling, safety or traffic control equipment for railways, streetcar lines, subways, roads, inland waterways, parking facilities, port installations or airfields (other than those of heading 8608); parts thereof:			
8530.10.00	00	Equipment for railways, streetcar lines or subways.....	X.....	2.2%	Free (A, CA, E, IL, J, 35% MX)
8530.80.00	00	Other equipment.....	X.....	2.2%	Free (A, CA, E, IL, J, 35% MX)
8530.90.00	00	Parts.....	X.....	2.2%	Free (A, CA, E, IL, J, 35% MX)
8531		Electric sound or visual signaling apparatus (for example, bells, sirens, indicator panels, burglar or fire alarms), other than those of heading 8512 or 8530; parts thereof:			
8531.10.00		Burglar or fire alarms and similar apparatus..		2.4%	Free (A, B, C, CA, E, 35% IL, J, MX)
		Smoke detectors:			
	15	Battery powered.....	No.		
	25	Other.....	No.		
		Other:			
	35	Burglar alarms.....	No.		
	45	Other.....	No.		
8531.20.00		Indicator panels incorporating liquid crystal devices (LCD's) or light emitting diodes (LED's).....		2.4%	Free (A, B, C, CA, E, 35% IL, J, MX)
	20	Incorporating LCD's.....	X		
	40	Other.....	X		
8531.80		Other apparatus:			
8531.80.40	00	Paging alert devices.....	No.....	2.2%	Free (A, B, C, CA, E, 35% IL, J, MX)
8531.80.80		Other.....		2.4%	Free (A, B, C, CA, E, 35% IL, J, MX)
		Indicator panels:			
	10	Incorporating electric discharge (fluorescent) devices.....	X		
	20	Other.....	X		
	30	Horns.....	X		
	38	Radar detectors of a kind used in motor vehicles.....	No.		
	40	Other sound signaling apparatus.....	X		
	50	Other.....	X		
8531.90		Parts:			
8531.90.40	00	Printed circuit assemblies.....	X.....	2.4%	Free (A, B, CA, E, IL, 35% J, MX)
8531.90.80	00	Other.....	X.....	2.4%	Free (A, B, CA, E, IL, 35% J, MX)

8532		Electrical capacitors, fixed, variable or adjustable (pre-set); parts thereof:			
8532.10.00	00	Fixed capacitors designed for use in 50/60 Hz circuits and having a reactive power handling capacity of not less than 0.5 kvar (power capacitors).....	No.....	9.8%	Free (B,CA,E,IL,J) 35% 6% (MX)
8532.21.00		Other fixed capacitors:			
		Tantalum electrolytic.....		9.8%	Free (B,CA,E,IL,J, 35% MX)
	20	Metal case.....	No.		
		Other:			
	40	Dipped.....	No.		
	50	Designed for surface mounting (chips).....	No.		
	80	Other.....	No.		
8532.22.00		Aluminum electrolytic.....		9.8%	Free (B,CA,E,IL,J) 35% 8% (MX)
	20	Not exceeding 18 mm in diameter.....	No.		
	40	Exceeding 18 mm but not exceeding 35 mm in diameter.....	No.		
	60	Exceeding 35 mm in diameter.....	No.		
8532.23.00		Ceramic dielectric, single layer.....		9.8%	Free (B,CA,E,IL,J, 35% MX)
	20	Chips.....	No.		
		Other:			
	40	Axial leads.....	No.		
	60	Radial leads.....	No.		
8532.24.00		Ceramic dielectric, multilayer.....		9.8%	Free (B,CA,E,IL,J, 35% MX)
	20	Chips.....	No.		
		Other:			
	40	Axial leads.....	No.		
	60	Radial leads.....	No.		
8532.25.00		Dielectric of paper or plastics.....		9.8%	Free (B,CA,E,IL,J) 35% 8% (MX)
		Alternating current (AC) service:			
	10	Less than 300 V.....	No.		
	20	300 V or greater, but less than 600 V.....	No.		
	30	600 V or greater, but less than 1,000 V.....	No.		
	40	1,000 V or greater.....	No.		
		Other:			
	50	Leadless.....	No.		
	60	Axial leads.....	No.		
	70	Radial leads.....	No.		
	80	Other.....	No.		
8532.29.00		Other.....		9.8%	Free (A,B,CA,E,IL, 35% J,MX)
	20	Mica dielectric.....	No.		
	40	Other.....	No.		
8532.30.00		Variable or adjustable (pre-set) capacitors...		9.8%	Free (B,CA,E,IL,J, 35% MX)
	10	Mica, ceramic or glass dielectric.....	No.		
	90	Other.....	No.		
8532.90.00	00	Parts.....	X.....	3.8%	Free (A,B,CA,E,IL, 35% J,MX)

8533		Electrical resistors (including rheostats and potentiometers), other than heating resistors; parts thereof:			
8533.10.00		Fixed carbon resistors, composition or film types.....	6%	Free	(A, B, CA, E, IL, 35% J, MX)
		Designed for surface mounting (SMD) by contact:			
	20	Having more than two terminals (resistor networks).....	No.		
	42	Having two terminals.....	No.		
	57	Having more than two leads (resistor networks).....	No.		
		Having two leads:			
	60	Carbon composition.....	No.		
	65	Carbon film.....	No.		
8533.21.00		Other fixed resistors:			
		For a power handling capacity not exceeding 20 W.....	6%	Free	(B, CA, E, IL, J, 35% MX)
		Designed for surface mounting (SMD) by contact:			
		Having more than two terminals (resistor networks):			
	10	Dual-in-line package.....	No.		
	20	Other (including flat packs).....	No.		
		Having two terminals:			
	30	Flat resistor chips.....	No.		
	40	Cylindrical leadless resistors (including metal film, metal oxide and thick cement film)....	No.		
		Having more than two leads (resistor networks):			
	50	Single-in-line.....	No.		
	60	Dual-in-line.....	No.		
	70	Other.....	No.		
		Having two leads:			
	80	Wirewound.....	No.		
	90	Other (including metal film, metal oxide and thick cement film).....	No.		
8533.29.00	00	Other.....	No..... 5.4%	Free	(B, CA, E, IL, J, 35% MX)

8533 (con.)		Electrical resistors (including rheostats and potentiometers), other than heating resistors; parts thereof (con.):				
		Wirewound variable resistors, including rheostats and potentiometers:				
8533.31.00	00	For a power handling capacity not exceeding 20 W.....	No.....	6%	Free	(B, CA, E, IL, J, 35% MX)
8533.39.00		Other.....		5.4%	Free	(B, CA, E, IL, J, 35% MX)
	40	Dimmers.....	No.			
	80	Other.....	No.			
8533.40		Other variable resistors, including rheostats and potentiometers:				
8533.40.40	00	Metal oxide varistors.....	No.....	Free		35%
8533.40.80		Other.....		5.8%	Free	(B, CA, E, IL, J, 35% MX)
	40	Rheostat and resistor type motor starters and controllers.....	No.			
		Other:				
	50	Cermet.....	No.			
	60	Metal glaze.....	No.			
	70	Other.....	No.			
8533.90		Parts:				
8533.90.40	00	For the goods of subheading 8533.40, of ceramic or metallic materials, electrically or mechanically reactive to changes in temperature.....	X.....	6%	Free	(B, CA, E, IL, J, 35% MX)
8533.90.80	00	Other.....	X.....	6%	Free	(B, CA, E, IL, J, 35% MX)
8534.00.00		Printed circuits.....		4.8%	Free	(A, B, CA, E, IL, 35% J, MX)
		Plastics impregnated, not flexible type: Having a base wholly of impregnated glass:				
	20	With 3 or more layers of conducting materials.....	No.			
	40	Other.....	No.			
	50	Having a base wholly of impregnated paper.....	No.			
	70	Other.....	No.			
		Other:				
	80	Flexible type.....	No.			
	90	Other.....	No.			

8535		Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, fuses, lightning arresters, voltage limiters, surge suppressors, plugs, junction boxes), for a voltage exceeding 1,000 V:			
8535.10.00		Fuses.....	5.3%	Free (A, E, IL, J, MX) 35% 1.5% (CA)	
	20	In circuits of 2,300 V or more.....	No.		
	40	Other.....	No.		
8535.21.00	00	Automatic circuit breakers: For a voltage of less than 72.5 kV.....	No..... 5.3%	Free (A, E, IL, J, MX) 35% 1.5% (CA)	
8535.29.00		Other.....	5.3%	Free (A, E, IL, J, MX) 35% 1.5% (CA)	
	20	In circuits of 345 kV or more.....	No.		
	40	Other.....	No.		
8535.30.00		Isolating switches and make-and-break switches.....	5.3%	Free (A, E, IL, J, MX) 35% 1.5% (CA)	
	40	Knife.....	No.		
	80	Other.....	No.		
8535.40.00	00	Lightning arresters, voltage limiters and surge suppressors.....	X..... 5.3%	Free (A*, E, IL, J, MX) 35% 1.5% (CA) <u>1</u> /	
8535.90		Other:			
8535.90.40	00	Motor starters and motor overload protectors.....	X..... 5.3%	Free (A, E, IL, J, MX) 35% 1.5% (CA) <u>2</u> /	
8535.90.80		Other.....	5.3%	Free (A, E, IL, J, MX) 35% 1.5% (CA) <u>2</u> /	
	20	Terminals, electrical splices and electrical couplings.....	No.		
	40	Other connectors.....	No.		
	60	Other.....	No.		

1/ See subheading 9905.85.64.
2/ See subheading 9905.85.66.

8536	Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, relays, fuses, surge suppressors, plugs, sockets, lamp-holders, junction boxes), for a voltage not exceeding 1,000 V:				
8536.10.00	Fuses.....	No.	4.8%	Free	(A, B, E, IL, J, 35% MX)
				1.5%	(CA) <u>1/</u>
20	Glass cartridge.....	No.			
40	Other.....	No.			
8536.20.00	Automatic circuit breakers.....	No.	4.8%	Free	(A, B, E, IL, J, 35% MX)
				1.5%	(CA) <u>1/2/</u>
20	Molded case.....	No.			
40	Other.....	No.			
8536.30	Other apparatus for protecting electrical circuits:				
8536.30.40	00	Motor overload protectors.....	X..... 4.8%	Free	(A, B, E, IL, J, 35% MX)
				1.5%	(CA) <u>1/3/</u>
8536.30.80	00	Other.....	X..... 4.8%	Free	(A, B, E, IL, J, 35% MX)
				1.5%	(CA) <u>1/3/</u>
8536.41.00	Relays:				
		For a voltage not exceeding 60 V.....	4.8%	Free	(A, B, CA, E, IL, 35% J, MX)
05	Automotive signaling flashers.....	No.			
	Other:				
	With contacts rated at less than 10 A:				
20	Electromechanical.....	No.			
30	Other.....	No.			
	Other:				
45	Contactors.....	No.			
	Other:				
50	Electromechanical.....	No.			
60	Other.....	No.			
8536.49.00	Other.....	No.	4.8%	Free	(A, B, E, IL, J, 35% MX)
				1.5%	(CA) <u>4/</u>
	With contacts rated at less than 10 A:				
50	Electromechanical.....	No.			
55	Other.....	No.			
	Other:				
65	Contactors.....	No.			
	Other:				
75	Electromechanical.....	No.			
80	Other.....	No.			

1/ See subheadings 9905.00.00 and 9905.85.74.
 2/ See subheading 9905.85.75.
 3/ See subheading 9905.85.76.
 4/ See subheadings 9905.00.00, 9905.85.67 and 9905.85.68.

8536 (con.)	Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, relays, fuses, surge suppressors, plugs, sockets, lamp-holders, junction boxes), for a voltage not exceeding 1,000 V (con.):				
8536.50	Other switches:				
8536.50.40	00	Motor starters.....	No.....	4.8%	Free (A,B,E,IL,J) 35% 1.5% (CA) <u>1/2/</u> 3.1% (MX)
8536.50.80		Other.....		4.8%	Free (A,B,E,IL,J) 35% 1.5% (CA) <u>1/2/</u> 3.1% (MX)
		Rotary:			
	20	Rated at not over 5 A.....	No.		
	25	Rated at over 5 A.....	No.		
		Push-button:			
		Rated at not over 5 A:			
	31	Momentary contact.....	No.		
	32	Other, gang switches.....	No.		
	33	Other.....	No.		
	35	Rated at over 5 A.....	No.		
	40	Snap-action, other than limit.....	No.		
	45	Knife.....	No.		
	50	Slide.....	No.		
	55	Limit.....	No.		
	60	Other.....	No.		
		Lamp-holders, plugs and sockets:			
8536.61.00	00	Lamp-holders.....	No.....	4.8%	Free (A,B,E,IL,J) 35% MX) 1.5% (CA)
8536.69.00		Other.....		4.8%	Free (A,B,E,IL,J) 35% MX) 1.5% (CA) <u>1/3/</u>
	10	Coaxial connectors.....	No.		
	20	Cylindrical multicontact connectors.....	No.		
	30	Rack and panel connectors.....	No.		
	40	Printed circuit connectors.....	No.		
	50	Ribbon or flat cable connectors.....	No.		
	60	Other.....	X		
8536.90.00		Other apparatus.....		4.8%	Free (A,B,E,IL,J) 35% MX) 1.5% (CA) <u>1/4/</u>
	10	Electrical distribution ducts.....	X		
	30	Junction boxes.....	No.		
	60	Terminals, electrical splices and electrical couplings.....	X		
	90	Other.....	X		

1/ See subheading 9905.00.00.
2/ See subheading 9905.85.78.
3/ See subheading 9905.85.79.
4/ See subheadings 9905.85.67 and 9905.85.68.

8537		Boards, panels (including numerical control 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, including those incorporating instruments or apparatus of chapter 90, other than switching apparatus of heading 8517:			
8537.10		For a voltage not exceeding 1,000 V:			
8537.10.30	00	Assembled with outer housing or supports, for the goods of headings 8421, 8422, 8450 or 8516.....	X.....	4.8%	Free (A, B, CA, E, IL, 35% J, MX)
8537.10.60	00	Motor control centers.....	No.....	4.8%	Free (A, B, CA, E, IL, 35% J, MX)
8537.10.90		Other.....		4.8%	Free (A, B, CA, E, IL, 35% J, MX)
	20	Switchgear assemblies and switchboards.....	No.		
	30	Numerical controls for controlling machine tools.....	No.		
		Other:			
	50	Panel boards and distribution boards.....	No.		
	60	Programmable controllers.....	No.		
	70	Other.....	No.		
8537.20.00		For a voltage exceeding 1,000 V.....		4.8%	Free (A, CA, E, IL, J, 35% MX)
	20	Switchgear assemblies and switchboards...	No.		
	40	Other.....	No.		
8538		Parts suitable for use solely or principally with the apparatus of heading 8535, 8536 or 8537:			
8538.10.00	00	Boards, panels, consoles, desks, cabinets and other bases for the goods of heading 8537, not equipped with their apparatus.....	X.....	5%	Free (A, B, CA, E, IL, 35% J, MX)
8538.90		Other:			
8538.90.20	00	Printed circuit assemblies.....	X.....	4.9%	Free (A, B, E, IL, J, 35% MX)
8538.90.40	00	Other, for the articles of subheading 8535.90.40, 8536.30.40 or 8536.50.40, of ceramic or metallic materials, electrically or mechanically reactive to changes in temperature.....	X.....	4.9%	Free (A, B, E, IL, J, 35% MX)
		Other:			1.5% (CA) <u>1/</u>
8538.90.60	00	Molded parts.....	X.....	4.9%	Free (A, B, E, IL, J, 35% MX)
8538.90.80		Other.....		4.9%	Free (A, B, E, IL, J, 35% MX)
	20	Of automatic circuit breakers.....	X		1.5% (CA) <u>1/</u>
		Other:			
	40	Metal contacts.....	X		
	60	Other parts of switchgear, switchboards, panel boards and distribution boards.....	X		
	80	Other.....	X		

1/ See subheading 9905.85.71.

8539		Electrical filament or discharge lamps, including sealed beam lamp units and ultra- violet or infrared lamps; arc lamps; parts thereof:			
8539.10.00		Sealed beam lamp units.....	2.9%	Free	(A,B,C,CA,E, 20% IL,J,MX)
		Under 15.24 cm:			
	10	For the vehicles of sub- heading 8701.20 or heading 8702, 8703, 8704, 8705 or 8711.....	No.		
	30	Other.....	No.		
		15.24 cm or over:			
	50	For the vehicles of sub- heading 8701.20 or heading 8702, 8703, 8704, 8705 or 8711.....	No.		
	60	Other.....	No.		
		Other filament lamps, excluding ultraviolet or infrared lamps:			
8539.21		Tungsten halogen:			
8539.21.20		Designed for a voltage not exceeding 100 V.....	Free		20%
	40	For the vehicles of subheading 8401.20 or heading 8702, 8703, 8704, 8705 or 8711.....	No.		
	80	Other.....	No.		
8539.21.40		Other.....	3.7%	Free	(A,CA,E,IL,J, 20% MX)
	40	Of a power less than 500 W.....	No.		
	80	Of a power 500 W or more.....	No.		
8539.22		Other, of a power not exceeding 200 W and for a voltage exceeding 100 V:			
8539.22.40	00	Christmas-tree lamps.....	No..... 5.8%	Free	(A,E,IL,J,MX) 20% 1.7% (CA)
8539.22.80		Other.....	3.7%	Free	(A,E,IL,J,MX) 20% 1.2% (CA)
		Of a power not exceeding 150 W:			
	10	3-way.....	No.		
	30	Decorative.....	No.		
		Other, including standard household:			
	40	Of a power 15 W or more but not exceeding 150 W.....	No.		
	60	Other.....	No.		
	70	Of a power exceeding 150 W.....	No.		
8539.29		Other:			
		Designed for a voltage not exceeding 100 V:			
8539.29.10	00	Christmas-tree lamps.....	No..... 5.8%	Free	(A,CA,E,IL,J, 20% MX)
8539.29.20	00	Lamps having glass envelopes not over 6.35 mm in maximum diameter and suitable for use in cystoscopes and other surgical instruments.....	No..... 7.4%	Free	(A,CA,E,IL,J, 55% MX)
8539.29.30		Other.....	Free		20%
	20	Flashlight lamps.....	No.		
		Other:			
	50	Designed for a voltage of 12 V or more but not exceeding 14 V.....	No.		
	60	Other.....	No.		
8539.29.40	00	Designed for a voltage exceeding 100 V.....	No..... 3.7%	Free	(A,CA,E,IL,J, 20% MX)

8539 (con.)	Electrical filament or discharge lamps, including sealed beam lamp units and ultra- violet or infrared lamps; arc lamps; parts thereof (con.):			
	Discharge lamps, other than ultraviolet lamps:			
8539.31.00	Fluorescent, hot cathode.....	3.4%	Free (A, E, IL, J, MX) 20%	
	40		1.1%	(CA)
	1.2 m, straight tube, of a power 30 W or more but not exceeding 40 W.....	No.		
	80			
	Other.....	No.		
8539.39.00	Other.....	3.4%	Free (A, E, IL, J, MX) 20%	
	20		1.1%	(CA)
	Sodium vapor.....	No.		
	40			
	Mercury vapor.....	No.		
	60			
	Other.....	No.		
8539.40	Ultraviolet or infrared lamps; arc lamps:			
8539.40.40	00			
	Arc lamps.....	No.....	3.6%	Free (A, CA, E, IL, J, 35% MX)
8539.40.80	80			
	Other.....		3.4%	Free (A, CA, E, IL, J, 35% MX)
	40			
	Ultraviolet lamps.....	No.		
	80			
	Other.....	No.		
8539.90.00	00			
	Parts.....	X.....	3.6%	Free (A, CA, E, IL, J, 35% MX)

8540		Thermionic, cold cathode or photocathode tubes (for example, vacuum or vapor or gas filled tubes, mercury arc rectifying tubes, cathode-ray tubes, television camera tubes); parts thereof: Cathode-ray television picture tubes, including video monitor cathode-ray tubes:			
8540.11		Color:			
8540.11.10		Non-high definition, non-projection, having a video display diagonal exceeding 35.56 cm.....	15%		Free (B,CA,E,IL,J, 60% MX)
		Having a video display diagonal:			
30		Not exceeding 39 cm.....	No.		
40		Exceeding 39 cm but not exceeding 45 cm.....	No.		
50		Exceeding 45 cm but not exceeding 50 cm.....	No.		
55		Exceeding 50 cm but not exceeding 63 cm.....	No.		
65		Exceeding 63 cm but not exceeding 67 cm.....	No.		
80		Exceeding 67 cm.....	No.		
		Non-high definition, non-projection, having a video display diagonal not exceeding 35.56 cm:			
8540.11.24	00	Having a video display diagonal not exceeding 33.02 cm.....	No..... 13.5%		Free (B,CA,E,IL, 60% J,MX)
8540.11.28	00	Other.....	No..... 15%		Free (B,CA,E,IL, 60% J,MX)
8540.11.30	00	High definition, having a video display diagonal exceeding 35.56 cm.....	No..... 15%		Free (B,CA,E,IL,J, 60% MX)
		High definition, having a video display diagonal not exceeding 35.56 cm:			
8540.11.44	00	Having a video display diagonal not exceeding 33.02 cm.....	No..... 13.5%		Free (B,CA,E,IL, 60% J,MX)
8540.11.48	00	Other.....	No..... 15%		Free (B,CA,E,IL, 60% J,MX)
8540.11.50	00	Other.....	No..... 15%		Free (B,CA,E,IL,J, 60% MX)

8540 (con.)	Thermionic, cold cathode or photocathode tubes (for example, vacuum or vapor or gas filled tubes, mercury arc rectifying tubes, cathode-ray tubes, television camera tubes); parts thereof (con.): Cathode-ray television picture tubes, including video monitor cathode-ray tubes (con.):			
8540.12	Black and white or other monochrome: Television picture tubes having a straight line dimension across the faceplate greater than 29 cm but having no straight line dimension across the faceplate that exceeds 42 cm:			
8540.12.10	Non-high definition.....	6.5%	Free (A,B,E,IL,J, 60% MX) 2.1% (CA)	
40	Projection.....	No.		
80	Other.....	No.		
8540.12.20	High definition.....	No.....	6.5%	Free (A,B,E,IL,J, 60% MX) 2.1% (CA)
	Other:			
8540.12.50	Non-high definition.....	5.9%	Free (B,E,IL,J,MX) 60% 1.9% (CA)	
40	Projection.....	No.		
80	Other.....	No.		
8540.12.70	High definition.....	No.....	5.9%	Free (B,E,IL,J,MX) 60% 1.9% (CA)
8540.20	Television camera tubes; image converters and intensifiers; other photocathode tubes:			
8540.20.20	Cathode-ray tubes.....	6%	Free (B,CA,E,IL,J, MX)	
35%				
40	Color.....	No.		
80	Other.....	No.		
8540.20.40	Other.....	No.....	4%	Free (B,CA,E,IL,J, 35% MX)
8540.30.00	Other cathode-ray tubes.....	5.4%	Free (B,CA,E,IL,J, 35% MX)	
	Color, having a video display diagonal:			
20	Not exceeding 30 cm.....	No.		
40	Exceeding 30 cm but not exceeding 33 cm.....	No.		
60	Exceeding 33 cm but not exceeding 36 cm.....	No.		
80	Exceeding 36 cm.....	No.		
90	Other.....	No.		

8540 (con.)		Thermionic, cold cathode or photocathode tubes (for example, vacuum or vapor or gas filled tubes, mercury arc rectifying tubes, cathode-ray tubes, television camera tubes); parts thereof (con.): Microwave tubes (for example, magnetrons, klystrons, traveling wave tubes, carcinotrons), excluding grid-controlled tubes:			
8540.41		Magnetrons:			
8540.41.20	00	Modified for use as parts of micro-wave ovens.....	No.....	Free	35%
8540.41.40	00	Other.....	No.....	4.1%	Free (CA, E, IL, J, MX) 35%
8540.42.00	00	Klystrons.....	No.....	4%	Free (CA, E, IL, J, MX) 35%
8540.49.00	00	Other.....	No.....	4.1%	Free (CA, E, IL, J, MX) 35%
8540.81.00	00	Other tubes: Receiver or amplifier tubes.....	No.....	4.2%	Free (B, E, IL, J, MX) 35%
8540.89.00		Other.....		4.1%	Free (B, E, IL, J, MX) 35%
	20	Gas and vapor electron tubes.....	No.		1.2% (CA)
	40	Diodes, triodes and tetrodes.....	No.		
	60	Light-sensing tubes.....	No.		
	80	Other.....	No.		
		Parts:			
8540.91		Of cathode-ray tubes:			
8540.91.15	00	Front panel assemblies.....	X.....	5.9%	Free (B, E, IL, J, MX) 35%
8540.91.20	00	Deflection coils.....	X.....	3%	Free (B, E, IL, J, MX) 35%
8540.91.50	00	Other.....	X.....	5.9%	Free (B, E, IL, J, MX) 35%
8540.99		Other:			
8540.99.40	00	Electron guns; radio frequency (RF) interaction structures for microwave tubes of subheadings 8540.41 through 8540.49, inclusive.....	X.....	3.4%	Free (E, IL, J, MX) 35%
8540.99.80	00	Other.....	X.....	3.4%	Free (E, IL, J, MX) 35%

8541	Diodes, transistors and similar semiconductor devices; photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light-emitting diodes; mounted piezoelectric crystals; parts thereof:		
8541.10.00	Diodes, other than photosensitive or light-emitting diodes..... Free 35%		
40	Unmounted chips, dice and wafers.....	No.	
	Other:		
50	Zener.....	No.	
60	Microwave.....	No.	
	Other:		
70	With a maximum current of 0.5 A or less.....	No.	
80	Other.....	No.	
	Transistors, other than photosensitive transistors:		
8541.21.00	With a dissipation rate of less than 1 W.....	Free	35%
40	Unmounted chips, dice and wafers....	No.	
	Other:		
75	With an operating frequency not less than 100 MHz.....	No.	
95	Other.....	No.	
8541.29.00	Other.....	Free	35%
40	Unmounted chips, dice and wafers....	No.	
	Other:		
75	With an operating frequency not less than 30 MHz.....	No.	
95	Other.....	No.	
8541.30.00	Thyristors, diacs and triacs, other than photosensitive devices.....	Free	35%
40	Unmounted chips, dice and wafers.....	No.	
80	Other.....	No.	

8541 (con.)		Diodes, transistors and similar semiconductor de- vices; photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light-emitting diodes; mounted piezoelectric crystals; parts thereof (con.):				
8541.40		Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light-emitting diodes:				
8541.40.20	00	Light-emitting diodes (LED's).....	No.....	1.6%	Free (A,CA,E,IL,J, 20% MX)	
8541.40.60	10	Other diodes.....	No.....	Free		35%
		Unmounted chips, dice and wafers....	No.			
		Other:				
		Solar cells:				
	20	Assembled into modules or made up into panels....	No.			
	30	Other.....	No.			
	50	Other.....	No.			
8541.40.70	40	Transistors.....	No.....	Free		35%
	80	Unmounted chips, dice and wafers....	No.			
		Other.....	No.			
8541.40.80	00	Other:				
8541.40.95	00	Optical coupled isolators.....	No.....	Free		35%
8541.50.00	00	Other.....	No.....	Free		35%
	40	Other semiconductor devices.....	No.....	Free		35%
	80	Unmounted chips, dice and wafers....	No.			
		Other.....	No.			
8541.60.00	00	Mounted piezoelectric crystals.....	No.....	Free		35%
		Quartz designed for operating frequencies of:				
	10	32.768 kHz.....	No.			
	20	Not exceeding 1 MHz, except 32.768 kHz.....	No.			
	30	Exceeding 1 MHz, but not exceeding 5 Mhz.....	No.			
	50	Exceeding 5 MHz, but not exceeding 20 Mhz.....	No.			
	60	Exceeding 20 MHz.....	No.			
	80	Other.....	No.			
8541.90.00	00	Parts.....	X.....	Free		35%

8542	Electronic integrated circuits and microassemblies; parts thereof:				
	Monolithic integrated circuits:				
8542.11	Digital:				
8542.11.40	For high definition television, having greater than 100,000 gates.....	00	No.....	Free	35%
8542.11.80	Other.....			Free	35%
	Silicon:				
	Unmounted chips, dice and wafers.....	01	No.		
	Other:				
	Bipolar transistors:				
	Memory:				
	Static read- write random access (SRAM).....	04	No.		
	Other.....	07	No.		
	Other, including logic:				
	Transistor- transistor logic (TTL).....	11	No.		
	Emitter coupled logic (ECL).....	12	No.		
	Other.....	17	No.		
	Metal oxide semiconductor (MOS) field effect transistors:				
	Volatile memory:				
	Dynamic read- write random access (DRAM):				
	Not over 40,000 bits....	21	No.		
	Over 40,000 bits but not over 80,000 bits.....	22	No.		
	Over 80,000 bits but not over 300,000 bits.....	23	No.		
	Over 300,000 bits but not over 3,000,000 bits.....	24	No.		
	Over 3,000,000 bits but not over 15,000,000 bits.....	26	No.		
	Over 15,000,000 bits.....	34	No.		

8542 Electronic integrated circuits and microassemblies;
(con.) parts thereof (con.):
 Monolithic integrated circuits (con.):
 Digital (con.)
8542.11
(con.)
8542.11.80 Other (con.):
(con.)
 Silicon (con.):
 Other (con.):
 Metal oxide semiconductor
 (MOS) field effect
 transistors (con.):
 Volatile memory
 (con.):
 Static read-
 write random
 access (SRAM):
37 Not over
 40,000 bits.... No.
38 Over 40,000
 bits but not
 over 80,000
 bits..... No.
39 Over 80,000
 bits but not
 over 300,000
 bits..... No.
41 Over 300,000
 bits but not
 over 3,000,000
 bits..... No.
49 Over 3,000,000
 bits..... No.
 Other memory:
 Electrically
 erasable
 programmable
 read-only memory
 (EEPROM):
51 Not over
 80,000 bits.... No.
52 Over 80,000
 bits but not
 over 900,000
 bits..... No.
57 Over 900,000
 bits..... No.

8542 (con.)	Electronic integrated circuits and microassemblies; parts thereof (con.):		
	Monolithic integrated circuits (con.):		
8542.11 (con.)	Digital (con.)		
8542.11.80 (con.)	Other (con.):		
	Silicon (con.):		
	Other (con.):		
	Metal oxide semiconductor (MOS) field effect transistors (con.):		
	Other memory (con.):		
	Erasable (except electrically) programmable read-only memory (EPROM):		
58	Not over 80,000 bits....	No.	
59	Over 80,000 bits but not over 900,000 bits.....	No.	
60	Over 900,000 bits.....	No.	
65	Other.....	No.	
	Other, including microprocessors, controllers, application specific integrated circuits (ASIC), and programmable logic arrays (PLA):		
	Microprocessors having an internal data bus of:		
66	8 bits or less.....	No.	
67	16 bits.....	No.	
68	32 bits or more.....	No.	
72	Other.....	No.	
	Other, including bipolar combined with MOS integrated circuits (BiMOS):		
	Complementary BiMOS (BiCMOS):		
73	Memory.....	No.	
78	Other, including logic.....	No.	
79	Other.....	No.	
	Other than silicon:		
84	Unmounted chips, dice and wafers.....	No.	
	Other:		
90	Memory.....	No.	
95	Other, including logic....	No.	

8542		Electronic integrated circuits and microassemblies;			
(con.)		parts thereof (con.):			
		Monolithic integrated circuits (con.):			
8542.19.00		Other.....	Free		35%
	40	Unmounted chips, dice and wafers....	No.		
		Other:			
	60	With an operating frequency			
		not less than 100 MHz.....	No.		
		Other:			
	65	Analog.....	No.		
		Other, including mixed			
		signal (analog/digital):			
	80	Logic.....	No.		
	90	Other.....	No.		
8542.20.00		Hybrid integrated circuits.....	Free		35%
	75	With an operating frequency not less			
		than 30 MHz.....	No.		
	95	Other.....	No.		
8542.80.00	00	Other.....	No.....	Free	35%
8542.90.00	00	Parts.....	X.....	Free	35%

8543		Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter; parts thereof:				
8543.10		Particle accelerators:				
8543.10.40	00	Ion implanters designed for doping semiconductor wafers.....	No.....	Free		35%
8543.10.80	00	Other.....	No.....	3.5%	Free (A, CA, E, IL, J, MX)	35%
8543.20.00	00	Signal generators.....	No.....	3.6%	Free (A, CA, E, IL, J, MX)	35%
8543.30.00	00	Machines and apparatus for electroplating, electrolysis or electrophoresis.....	X.....	3.6%	Free (A, CA, E, IL, J, MX)	35%
8543.80		Other machines and apparatus:				
8543.80.40	00	Electric synchros and transducers; flight data recorders; defrosters and demisters with electric resistors for aircraft.....	X.....	3.6%	Free (A, C, CA, E, IL, J, MX)	35%
8543.80.60	00	Articles designed for connection to telegraphic or telephonic apparatus or instruments or to telegraphic or telephonic networks.....	X.....	3.6%	Free (A, B, CA, E, IL, J, MX)	35%
8543.80.70	00 20%	Electric luminescent lamps.....	No.....	2%	Free (A, CA, E, IL, J, MX)	
8543.80.85	00	Other: Microwave amplifiers.....	No.....	3.6%	Free (A, B, CA, E, IL, J, MX)	35%
8543.80.94	00	Other: For electrical nerve stimulation.....	No.....	3.1%	Free (A, B, CA, E, IL, J, MX)	35%
8543.80.98		Other.....		3.6%	Free (A, B, CA, E, IL, J, MX)	35%
	20	Resistor/capacitor networks.....	No.			
	40	Electric fence controllers.....	No.			
	60	Amplifiers.....	No.			
	70	Special effects pedals for use with musical instruments.....	No.			
	90	Other.....	X			
8543.90		Parts:				
		Assemblies and subassemblies for flight data recorders, consisting of two or more parts or pieces fastened or joined together:				
8543.90.15	00	Printed circuit assemblies.....	X.....	3.6%	Free (A, B, C, CA, E, IL, J, MX)	35%
8543.90.35	00	Other.....	X.....	3.6%	Free (A, B, C, CA, E, IL, J, MX)	35%
8543.90.55	00	Other: Printed circuit assemblies.....	X.....	3.6%	Free (A, B, CA, E, IL, J, MX)	35%
8543.90.75		Other.....		3.6%	Free (A, B, CA, E, IL, J, MX)	35%
	40	Of particle accelerators.....	X			
	80	Other.....	X			

8544		Insulated (including enameled or anodized) wire, cable (including coaxial cable) and other insulated electric conductors, whether or not fitted with connectors; optical fiber cables, made up of individually sheathed fibers, whether or not assembled with electric conductors or fitted with connectors:			
		Winding wire:			
8544.11.00		Of copper.....	4.9%	Free	(A,B,E,IL,J, 40% MX) 1.5% (CA)
	20	33 AWG (0.18 mm in diameter) and finer.....	kg		
	30	22 AWG (0.643 mm in diameter) and finer but larger than 33 AWG (0.18 mm in diameter).....	kg		
	50	Other.....	kg		
8544.19.00	00	Other.....	kg..... 4.7%	Free	(A,B,E,IL,J, 35% MX) 1.4% (CA)
8544.20.00	00	Coaxial cable and other coaxial electric conductors.....	kg..... 5.3%	Free	(A,B,E,IL,J, 35% MX) 1.5% (CA) <u>1/</u>
8544.30.00	00	Ignition wiring sets and other wiring sets of a kind used in vehicles, aircraft or ships....	X..... 5%	Free	(A*,B,C,CA,E, 30% IL,J,MX)
		Other electric conductors, for a voltage not exceeding 80 V:			
8544.41.00	00	Fitted with connectors.....	X..... 4.8%	Free	(A,B,E,IL,J, 35% MX) 1.5% (CA) <u>1/2/3/</u>
8544.49.00	00	Other.....	kg..... 4.9%	Free	(A,B,E,IL,J, 40% MX) 1.5% (CA)
		Other electric conductors, for a voltage exceeding 80 V but not exceeding 1,000 V:			
		Fitted with connectors:			
8544.51		Fitted with modular telephone connectors.....	X..... 4.8%	Free	(A,E,IL,J,MX) 35% 1.5% (CA)
8544.51.40	00	Other.....	X..... 4.8%	Free	(A,B,E,IL,J) 35% 1.5% (CA) <u>2/</u> 4.2% (MX)
8544.59		Other:			
8544.59.20		Of copper.....	5.3%	Free	(A,B,E,IL,J, 40% MX) 1.5% (CA)
	40	For a voltage exceeding 600 V..	kg		
	80	Other.....	kg		
8544.59.40	00	Other.....	kg..... 4.7%	Free	(A,B,E,IL,J, 35% MX) 1.4% (CA)
8544.60		Other electric conductors, for a voltage exceeding 1,000 V:			
8544.60.20	00	Fitted with connectors.....	X..... 5%	Free	(A,B,E,IL,J, 35% MX) 1.5% (CA) <u>2/</u>
		Other:			
8544.60.40	00	Of copper.....	kg..... 4.9%	Free	(A,B,E,IL,J, 40% MX) 1.5% (CA) <u>2/</u>
8544.60.60	00	Other.....	kg..... 4.6%	Free	(A,B,E,IL,J, 35% MX) 1.4% (CA) <u>2/</u>
8544.70.00	00	Optical fiber cables.....	Fiber m. 8.4%	Free	(A,E,IL,J,MX) 65% 2.5% (CA)

1/ See subheading 9905.00.00.
2/ See subheading 9905.85.82.
3/ See subheading 9905.85.83.

8545		Carbon electrodes, carbon brushes, lamp carbons, battery carbons and other articles of graphite or other carbon, with or without metal, of a kind used for electrical purposes:			
		Electrodes:			
8545.11.00	00	Of a kind used for furnaces.....	kg.....	1.9%	Free (A, CA, E, IL, J, 45% MX)
8545.19		Other:			
8545.19.20	00	Of a kind used for electrolytic purposes.....	kg.....	1.9%	Free (A, CA, E, IL, J, 45% MX)
8545.19.40	00	Other.....	kg.....	3.9%	Free (A, CA, E, IL, J, 45% MX)
8545.20.00	00	Brushes.....	kg.....	3%	Free (A, B, E, IL, J, 45% MX)
					1.1% (CA) <u>1/2/</u>
8545.90		Other:			
8545.90.20	00	Arc light carbons.....	kg.....	2.2%	Free (A, CA, E, IL, J, 60% MX)
8545.90.40	00	Other.....	kg.....	3.9%	Free (A, CA, E, IL, J, 45% MX)
8546		Electrical insulators of any material:			
8546.10.00	00	Of glass.....	No.....	5.2%	Free (A*, E, IL, J, 50% MX)
					1.7% (CA)
8546.20.00		Of ceramics.....		5.4%	Free (A, B, E, IL, J, 60% MX)
					1.8% (CA) <u>3/</u>
		Used in high-voltage, low-frequency electrical systems:			
	30	Commonly known as suspension, pin-type or line post insulators...	No.		
	60	Other.....	No.		
	90	Other.....	No.		
8546.90.00	00	Other.....	No.....	3%	Free (A, B, E, IL, J, 30% MX)
					1.1% (CA) <u>1/4/</u>

1/ See subheading 9905.00.00.
 2/ See subheading 9905.85.84.
 3/ See subheading 9905.69.10.
 4/ See subheading 9905.85.85.

8547		Insulating fittings for electrical machines, appliances or equipment, being fittings wholly of insulating material apart from any minor components of metal (for example, threaded sockets) incorporated during molding solely for the purposes of assembly, other than insulators of heading 8546; electrical conduit tubing and joints therefor, of base metal lined with insulating material:			
8547.10		Insulating fittings of ceramics:			
8547.10.40	00	Ceramic insulators to be used in the production of spark plugs for natural gas-fueled, stationary, internal combustion engines.....	No.....	3.4%	Free (A,E,IL,J,MX) 60% 1% (CA)
8547.10.80	00	Other.....	No.....	5.4%	Free (A,B,E,IL,J, 60% MX) 1.8% (CA)
8547.20.00	00	Insulating fittings of plastics.....	No.....	3%	Free (A,B,E,IL,J, 30% MX) 1.1% (CA)
8547.90.00		Other.....		5.6%	Free (A,B,E,IL,J, 45% MX) 1.7% (CA) <u>1/</u>
	10	Other insulating fittings.....	No.		
		Electrical conduit tubing and joints therefor, of base metal lined with insulating material:			
	20	Conduit tubing.....	kg		
		Joints:			
	30	Threaded.....	kg		
	40	Other.....	kg		
8548.00.00	00	Electrical parts of machinery or apparatus, not specified or included elsewhere in this chapter....	X.....	3.1%	Free (A,B,E,IL,J, 35% MX) 1.1% (CA) <u>2/</u>

1/ See subheading 9905.85.86.
2/ See subheading 9905.00.00.