

APPENDIX A: HS codes attributed to the estimated Cooperative Patent Classification codes

HS code	Brief description	CPC Code1	CPC Code2	CPC Code3
250410	Natural graphite, crystalline flake (not including flake dust)	H01M 4/587	H01M 10/0525	C09K 3/10
251910	Natural magnesium carbonate (magnesianite)	C01F 5/24	C04B 2/10	C01F 5/06
251990	Fused magnesia; dead-burned (sintered) magnesia, whether or not cont. small quant. of other oxides added before sintering	C04B 35/043	C04B 35/04	C04B 2/10
253020	Kieserite	B03C 7/00	C01D 3/08	C01F 5/40
260500	Cobalt ores and concentrates	C22B 15/00	C22C 38/52	C22B 3/00
261100	Tungsten ores	C22B 34/36	C01G 41/00	B01J 23/30
261590	Niobium, tantalum or vanadium ores and concentrates, nesoi	C22C 9/06	C22C 38/48	B01J 23/20
261710	Antimony ores and concentrates	C01G 30/00	C22C 38/60	C22B 15/00
280130	Fluorine	C25B 1/245	H01S 3/225	A61K 8/21
280300	Carbon (carbon blacks and other forms of carbon not elsewhere specified or included)	C04B 35/83	C08K 3/04	C08G 18/20
280429	Rare gases, other than argon	C01B 23/00	H01L 21/311	H01L 27/12
280450	Boron; tellurium	B01J 27/057	C07F 5/02	H01B 1/22
280461	Silicon containing by weight not less than 99.99 percent of silicon	C22C 38/02	H01L 21/28	C22C 21/0
280480	Arsenic	C02F 101/10	H01L 29/78	C02F 1/28
280610	Hydrogen chloride (Hydrochloric acid)	C01B 7/07	B01J 23/96	C22B 11/06
280700	Sulfuric acid; oleum	C07C 225/36	C01B 17/74	C22B 3/08
280800	Nitric acid; sulfonitric acids	C07C 201/08	C09K 11/77	C07C 51/27
280920	Phosphoric acid and polyphosphoric acids	C08G 75/32	C09K 19/38	C11D 1/34
281119	Arsenic acid	C01G 28/00	C02F 101/10	H01L 29/78
281129	Arsenic trioxide	A61K 33/36	C02F 101/10	C01G 28/00
281390	Arsenic sulfides	C02F 101/10	C02F 1/52	A61K 33/36
281420	Ammonia in aqueous solution	C12N 1/20	C07C 273/04	C12P 3/00
281610	Hydroxide and peroxide of magnesium	C08K 3/22	C08K 5/14	A61K 33/08
282200	Cobalt oxides and hydroxides; commercial cobalt oxides	H01M 4/62	B01J 23/00	B01J 23/75
282580	Antimony oxides	C01G 30/00	C07F 9/90	C08K 5/59
282590	Other inorganic bases; other metal oxides, hydroxides and peroxides, nesoi	C07C 255/00	B01J 20/08	C07F 9/54
282690	Other complex fluorine salts, nesoi	C25B 1/245	H01S 3/225	A61K 8/21

282731	Magnesium chloride	C04B 28/32	C01F 5/10	D06M 11/155
282739	Cobalt chlorides	C22C 38/52	H01F 1/055	C07F 15/06
283321	Magnesium sulfate	C01F 5/40	C04B 28/30	A61K 33/06
283329	Cobalt sulfate	C01G 51/10	H01M 4/505	H01M 10/052
283699	Cobalt carbonates	C22C 38/52	H01F 1/055	C07C 69/96
284180	Tungstates (wolframates)	C10N 30/06	C23C 22/40	C01G 41/00
284990	Chromium carbide	A61B 17/00	C23C 4/06	C04B 35/56
290512	Propan-1-ol (Propyl alcohol) and Propan-2-ol (isopropyl alcohol)	C08L 23/08	C11D 3/20	C10L 1/16
291521	Acetic acid	C07C 51/12	C12J 1/04	D06M 13/188
291529	Cobalt acetates	B01J 23/75	C22C 38/52	C07C 67/055
370130	Photographic plates and film nesoi, with any side 255 mm, in the flat, sensitized, unexposed, not of paper, paperboard, or textiles	H01J 37/22	G01C 11/00	G03H 1/20
370199	Photographic dry plates, nesoi, sensitized, unexposed, of any material other than paper, paperboard or textiles	A24D 1/00	C08F 2/44	D21H 19/38
370500	Photographic plates and film, exposed and developed, other than cinematographic film	G01C 11/00	G03F 7/20	H01J 37/22
370790	Chemical preparations for photographic uses, nesoi	B01D 19/04	C12N 13/00	G01N 33/543
381800	Chemical elements doped for use in electronics, in the form of discs, wafers etc., chemical compounds doped for electronic use	C21D 6/00	C22C 8/02	C21D 9/46
392310	Boxes and similar articles for the conveyance or packing of semiconductor wafers, masks or reticules of subheadings 3923.10 or 8485.90	G03F 7/20	G06F 40/131	G06F 3/0481
701710	Fused quartz reactor tubes and holders designed for insertion into diffusion and oxidation furnaces for semiconductor wafer production	B01J 8/06	C30B 31/10	C30B 25/08
702000	Quartz reactor tubes and holders designed for insertion into diffusion and oxidation furnaces for semiconductor wafer production, nesoi	B01J 8/06	B28D 5/00	B01J 8/00

710410	Piezo-electric quartz	C02F 1/32	C04B 33/16	H04R 17/00
711011	Platinum, unwrought or in powder form	C22C 21/00	C22F 1/08	C22F 1/04
711019	Platinum, in semimanufactured forms	A43B 7/12	H01M 4/92	C07F 15/00
711021	Palladium, unwrought or in powder form	C22C 21/00	C22F 1/08	C22F 1/04
711029	Palladium, in semimanufactured forms	A43B 7/12	B01J 23/44	B60G 21/055
711031	Rhodium, unwrought or in powder form	C22C 21/00	C22F 1/08	C22F 1/04
711039	Rhodium, in semimanufactured forms	A43B 7/12	B60G 21/055	B01J 23/46
711041	Iridium, osmium and ruthenium, unwrought or in powder form	C22C 21/00	C22F 1/08	C09K 11/06
711049	Iridium, osmium and ruthenium, in semimanufactured forms	C07F 15/00	C09K 11/06	A43B 7/12
711292	Platinum waste and scrap, incl. metal clad w/ platinum, excluding sweepings containing other precious metals, other than goods of e-waste heading 8549	C22B 7/00	C22B 11/00	C22B 3/02
720280	Ferrotungsten and ferrosilicon tungsten	F42B 12/74	C30B 29/36	H01L 29/16
800110	Tin (o/than alloy), unwrought	C22C 21/00	C22F 1/04	C22F 1/08
800120	Tin alloy, unwrought	C22C 21/00	C22F 1/04	C22F 1/08
800200	Tin, waste and scrap	B24B 41/06	C22B 7/00	C04B 11/00
810110	Tungsten, powders	B01J 23/30	C01G 41/02	C01G 41/00
810197	Tungsten waste and scrap	B24B 41/06	C22B 7/00	C01G 41/00
810320	Tantalum, unwrought (including bars and rods obtained simply by sintering); tantalum powders	C22C 21/00	C22F 1/04	C22F 1/08
810330	Tantalum waste and scrap	B24B 41/06	C22B 7/00	C21C 5/56
810391	Tantalum, crucibles	F27B 14/10	C22C 19/05	C23C 14/56
810399	Tantalum, articles other than crucibles, nesoi	F27B 14/10	C22C 19/05	C23C 14/56
810411	Magnesium, unwrought, containing at least 99.8 percent by weight of magnesium	C22C 21/00	C22F 1/04	B32B 27/32
810419	Magnesium, unwrought, nesoi	C22C 21/00	C22F 1/04	C22F 1/08
810420	Magnesium, waste and scrap	B24B 41/06	C22B 7/00	C21C 5/56
810430	Magnesium, raspings, turnings and granules graded according to size; magnesium powders	A61L 27/04	A61L 27/56	C07F 3/02
810490	Magnesium, articles nesoi	A61K 33/06	C22C 23/00	C07F 3/02
810520	Cobalt alloys, unwrought	C22C 21/00	C22C 19/07	C22F 1/04
810530	Cobalt waste and scrap	B24B 41/06	C22B 7/00	C22C 38/52
810590	Cobalt, articles thereof nesoi	B33Y 30/00	C08G 77/04	C12Q 1/70
811010	Antimony, unwrought; antimony powders	C22C 21/00	C22F 1/04	C22F 1/08

811020	Antimony waste and scrap	B24B 41/06	C22B 7/00	C22C 38/60
811239	Hafnium, articles, nesoi	C01G 27/00	H01L 21/316	G21C 7/113
811249	Rhenium, articles, nesoi	B01J 23/656	C07F 13/00	B01J 23/36
811292	Indium, unwrought; indium powders	C22C 21/00	C22F 1/04	C22F 1/08
811299	Articles of gallium, indium, or niobium, nesoi	B01J 23/62	H01L 29/66	C22C 38/48
841459	Fans used for cooling microprocessors, telecommunications equipment, or computers	H05K 7/20	G06F 1/20	H05K 1/03
841470	Gas-tight biological safety cabinets	A61K 38/00	A61P 13/12	A61K 38/12
841950	Heat exchange units, nesoi	F28D 9/00	F28F 9/26	F01D 15/10
842129	Filtering or purifying machinery and apparatus for liquids, nesoi	C02F 1/00	C02F 103/44	B01D 29/56
842139	Filtering or purifying machinery and apparatus for gases, other than intake air filters or catalytic conv. for internal combustion engines	F02M 35/024	B01D 29/01	C08L 23/16
842199	Parts for filtering or purifying machinery or apparatus for liquids or gases	C02F 1/00	C02F 101/20	B01L 3/00
844331	Multifunction units (machines which perform two or more of the functions of printing, copying or facsimile transmission, capable of connecti	H04N 1/32	H04N 1/00	G06F 9/455
844332	Printer units, capable of connecting to an automatic data processing machine or to a network	G06K 19/077	G06K 7/10	H04L 67/01
844399	Parts of facsimile machines specified in additional U.S. note 3 to this chapter	H04N 1/00	H04N 1/32	G11B 27/10
847130	Portable automatic data processing machines, not over 10 kg, consisting at least a central processing unit, keyboard and display	G16H 50/20	G06F 3/04886	G06F 21/62
847141	Non-high definition color television reception apparatus, nonprojection, w/CRT, video display diag. not ov 34.29 cm, incorp. a VCR or player	H04N 5/64	H04N 21/41	H04N 5/765
847149	ADP machines, nesoi, entered as a system (consisting of a central processing unit, an input unit, and an output unit)	C07D 487/04	B25B 21/00	G06F 15/16
847150	Processing units other than those of subheading 8471.41 and 8471.49, nesoi	H04N 13/239	B41J 2/14	B41J 15/04
847160	Combined input/output units for automatic data processing machines not entered with the rest of a system	G06F 21/60	H04L 41/5009	G06F 21/62

847170	ADP magnetic disk drive storage units, disk dia. ov 21 cm,w/o read-write unit; read-write units; all not entered with the rest of a system	G06F 3/06	G11B 33/12	G11B 5/55
847180	Control or adapter units for automatic data processing machines not entered with rest of a system	G06F 21/60	H04L 41/5009	G06F 11/22
847190	Magnetic or optical readers, nesoi; machines for transcribing data on data media in coded form and machines for processing such data, nesoi	G11B 17/22	G01N 21/78	H04N 19/182
847330	Printed circuit assemblies, not incorporating a cathode ray tube, of the machines of 8471	H01L 23/498	B60R 1/08	H05K 3/46
847350	Printed circuit assemblies suitable for use with machines of two or more of the headings 8469 to 8472	H05K 7/20	A61F 2/30	G07F 17/34
847521	Machines for making glass optical fibers and preforms thereof	C03B 11/08	C03C 13/04	G02B 6/44
847989	Automated electronic component placement machines for making printed circuit assemblies	H05K 13/08	H05K 13/04	H05K 3/00
848610	Machines and apparatus for the manufacture of boules or wafers	B28D 5/00	B82Y 15/00	B29L 11/00
848620	Machines and apparatus for the manufacture of semiconductor devices or electronic integrated circuits	H01L 29/08	B82Y 15/00	G02B 6/43
848630	Machines and apparatus for the manufacture of flat panel displays	H01L 27/32	H01J 9/02	H01L 21/67
848640	Machines and apparatus for the manufacture of masks and reticles and for the assembly of electronic integrated circuits	H01L 29/786	B23K 26/00	C09K 3/14
848690	Parts and accessories of the machines and apparatus for the manufacture of semiconductor devices, electronic integrated circuits and flat pa	H01L 29/08	G02B 6/43	B82Y 15/00
850431	Unrated electrical transformers other than liquid dielectric, having a power handling capacity not exceeding 1 kVA	H01F 41/02	H01F 27/245	H01F 27/24
850432	Electrical transformers other than liquid dielectric, having a power handling capacity exceeding 1 kVA but not exceeding 16 kVA	H01F 41/02	H01F 27/28	H01F 30/14

850440	Electrical speed drive controllers for electric motors (static converters)	B29C 45/50	H01L 31/02	G06F 11/10
850440	Static converters (for example, rectifiers) for telecommunication apparatus	H01L 31/02	H01Q 1/36	H01Q 1/38
850450	Other inductors for power supplies for ADP machines and units of heading 8471 or for telecommunication apparatus	C12N 1/20	H01F 17/00	H01Q 1/38
850490	Printed circuit assemblies of the goods of subheading 8504.40 or 8504.50 for telecommunication apparatus	H05K 3/46	H05K 1/14	H05K 7/20
851431	Electron beam furnaces for making printed circuits or printed circuit assemblies	H05K 3/00	H05K 3/46	H05K 3/18
851432	Plasma and vacuum arc furnaces for making printed circuits or printed circuit assemblies	H01J 37/32	H05K 3/46	H05K 3/00
851439	Other industrial furnaces and ovens for making printed circuits or printed circuit assemblies	H05K 3/00	H05K 3/46	H05K 1/03
851680	Electric heating resistors, nesoi	F26B 23/06	F24H 3/04	F01N 3/20
851711	Line telephone sets with cordless handsets	H04W 84/16	H04M 1/72513	H04M 1/72505
851713	Smartphones for cellular networks or for other wireless of networks	H04W 48/18	H04W 4/20	H04W 84/04
851714	Other telephones for cellular networks or for other wireless of networks, other than smartphones	H04W 48/18	H04W 4/20	H04W 84/04
851718	Telephone sets, nesoi	H04M 1/02	H04M 1/03	H04W 92/02
851761	Base stations	H04W 64/00	H04W 92/20	B23P 21/00
851762	Machines for the reception, conversion and transmission or regeneration of voice, images or other data, including switching and routing appa	H04N 19/61	H04N 19/176	A23K 10/30
851769	Other apparatus for transmission or reception of voice, images or other data, nesoi, but not apparatus of 8443, 8525, 8527 or 8528	H04N 19/70	H04N 19/61	H04L 27/00
851771	Aerials and aerial reflectors of all kinds; parts suitable for use therewith	A61K 39/00	C09K 8/035	H01Q 3/24
851779	Other parts of products in heading 8517, other than aerials and aerial reflectors and their parts	D06M 15/263	D06M 13/203	H04B 7/08
851810	Microphones having a frequency range of 300Hz-3.4kHz with diameter not over 10 mm and height not over 3 mm, for telecommunication	C08L 23/12	H04R 3/00	B05D 3/12

851821	Single loudspeakers mounted in their enclosures	H04R 27/00	H04R 5/02	H04R 1/26
851822	Multiple loudspeakers mounted in the same enclosure	H04R 1/32	F03D 1/06	H01R 9/24
851829	Loudspeakers nesoi, not mounted in their enclosures, nesoi	H04R 27/00	H04R 5/02	H04R 1/26
851830	Line telephone handsets	G10K 11/178	H04L 67/14	H01Q 1/38
851840	Audio-frequency electric amplifiers for use as repeaters in line telephony	G10L 19/24	H02J 13/00	H01F 19/02
851850	Electric sound amplifier sets	G10H 3/18	H04N 5/60	G10H 1/32
851890	Printed circuit assemblies of line telephone handsets; parts of repeaters	H05K 3/46	H05K 1/14	G10K 11/178
851920	Sound recording or reproducing apparatus operated by coins, bank notes, bank cards, tokens or other means of payment	G06Q 40/02	H04N 5/781	B42D 25/29
851981	Cassette players (non-recording), nesoi	G11B 7/2492	B82Y 10/00	G11B 7/2467
851989	Sound recording and reproducing apparatus, nesoi	G11B 7/00	H04N 5/781	G11B 25/06
852110	Color, cartridge or cassette magnetic tape-type video players	A61F 13/49	A61F 13/56	A61F 13/15
852190	Video recording or reproducing apparatus, other than magnetic tape-type	A61F 13/49	H04N 5/76	A61F 13/56
852290	Assemblies & subassemblies of articles of 8520.90, consisting of 2 or more pieces fastened together, printed circuit assemblies	C02F 1/14	G16B 30/20	E04F 21/24
852352	Semiconductor media, smart cards	G07F 7/10	G06Q 20/34	G07F 7/08
852412	Flat panel display modules of organic light-emitting diodes without drivers/control circuits	C09K 11/06	G09F 9/33	H01L 51/52
852419	Other flat panel display modules without drivers/control circuits, nesoi	G09F 9/33	G09G 3/36	G06F 1/16
852492	Flat panel display modules of organic light-emitting diodes with drivers/control circuits	C09K 11/06	G09F 9/33	H01L 51/52
852499	Other flat panel display modules with drivers/control circuits, nesoi	G09F 9/33	G09G 3/36	G09F 9/302
852550	Television transmission set top boxes which have a communication function	H04N 21/6547	H04N 21/643	H04N 21/443
852560	Transceivers	G01S 13/87	E21B 47/12	H01R 13/6582
852581	High-speed television cameras, digital cameras and video camera recorders	H04N 7/18	H04N 5/225	G06T 1/00
852582	Other television cameras, digital cameras and video camera recorders, radiation-hardened or radiation-tolerant	H04N 7/18	H04N 5/225	H04N 5/232

852583	Other television cameras, digital cameras and video camera recorders, night vision	H04N 7/18	H04N 5/225	G06T 1/00
852589	Other television cameras, gyrostabilized, other than high-speed, radiation-hardened or radiation-tolerant or night vision	H03K 19/003	H01L 23/552	H04N 5/225
852713	Radio-tape player combination (other than pocket-size radio cassette type),nonrecording,capable of operating w/o an external source of power	G06K 19/077	G16H 10/60	B29C 45/26
852719	Radiobroadcast receivers, able to operate w/o external power, with clock or clock-timer, valued not over \$40, not for motor vehicles	A61B 5/0205	G06F 1/324	H01L 23/522
852721	Radio-tape player combinations capable of receiving & decoding digital radio signals	B41J 2/165	G11B 25/04	F01N 3/10
852729	Radiobroadcast receivers, not operating w/o external power, for motor vehicles, w/o sound recording or reproducing apparatus, FM or AM/FM	H04N 5/781	H04R 1/10	G11B 25/06
852791	Radiobroadcast receiver combined w/ sound recording or reproducing apparatus for connection to telegraphic/telephonic apparatus/network	H04N 5/775	G03B 31/00	G11B 7/00
852799	Reception apparatus for radiobroadcasting, NESOI	H04B 1/7093	H04H 20/42	H03M 13/03
852842	Cathode-ray tube monitors capable of directly connecting to and designed for use with an automatic data processing machine of heading 8471	H04L 9/08	G06F 11/22	B60L 53/12
852849	Incomplete or unfinished color video monitors, presented w/o a display device, incorp. VCR or player	H04N 21/472	B64D 11/00	A61B 1/04
852852	Other monitors capable of directly connecting to and designed for use with an automatic data processing machine of heading 8471	H04L 9/08	B60L 53/12	G06F 11/22
852859	Incomplete or unfinished color video monitors, w/o cathode-ray tube, flat panel screen or similar display device, incorp. VCR or player	H01J 29/86	F16M 11/10	H04N 21/472
852862	Projectors capable of directly connecting to and designed for use with an automatic data processing machine of heading 8471	H04L 9/08	B60L 53/12	G06F 11/22

852869	Non-high definition color video projectors, with a cathode-ray tube, incorporating VCR or player	H04N 9/31	H04N 13/363	C22C 38/00
852871	TV reception set top boxes with a communication function, nesoi	H04L 12/46	H04N 7/173	H04L 69/329
852872	Non-high definition color television reception apparatus, nonprojection, w/CRT, video display diag. not ov 34.29 cm, incorp. a VCR or player	H04N 5/64	H04N 21/41	H04N 5/765
852873	Black and white or other monochrome television reception apparatus	G02F 1/13357	H04N 21/438	F21V 8/00
852910	Television antennas and antenna reflectors, and parts suitable for use therewith	H04B 7/08	H01Q 1/38	A61K 39/00
852990	Tuners for television apparatus, other than printed circuit assemblies	H04N 21/426	H05K 1/02	H04N 21/433
853210	Fixed electrical capacitors designed for use in 50/60 Hz circuits and having a reactive power handling capacity of not less than 0.5 kvar	H02J 3/18	H04L 9/08	G06F 11/20
853222	Aluminum electrolytic fixed capacitors	H01G 9/00	H01G 9/045	H03L 7/089
853223	Ceramic dielectric fixed capacitors, single layer	H01L 21/67	H01L 21/687	H01G 4/12
853224	Ceramic dielectric fixed capacitors, multi-layer	H01L 21/67	H01L 21/687	H01G 4/12
853225	Dielectric fixed capacitors of paper or plastics	H01G 4/22	H03L 7/089	C04B 40/00
853229	Fixed electrical capacitors, nesoi	H01G 4/22	A61B 5/00	A61B 5/07
853230	Variable or adjustable (pre-set) electrical capacitors	H01G 4/22	H02J 50/40	H01G 4/18
853290	Parts of electrical capacitors, fixed, variable or adjustable (pre-set)	C08L 63/00	G10L 19/008	F04C 23/00
853310	Electrical fixed carbon resistors, composition or film types	C08J 5/18	H01L 27/146	C08L 67/02
853321	Electrical fixed resistors, other than composition or film type carbon resistors, for a power handling capacity not exceeding 20 W	C08J 5/18	G06F 11/20	B66B 1/24
853329	Electrical fixed resistors, other than composition or film type carbon resistors, for a power handling capacity exceeding 20 W	C08J 5/18	G06F 11/20	B66B 1/24
853331	Electrical wirewound variable resistors, including rheostats and potentiometers, for a power handling capacity not exceeding 20 W	H01C 10/32	H01C 10/20	H04S 7/00

853339	Electrical wirewound variable resistors, including rheostats and potentiometers, for a power handling capacity exceeding 20 W	H01C 10/32	H01C 10/20	H04S 7/00
853340	Metal oxide resistors	H01M 4/525	G03G 5/14	H01M 4/505
854110	Diodes, other than photosensitive or light-emitting diodes	H01L 33/00	H01L 33/24	H01L 51/50
854121	Transistors, other than photosensitive transistors, with a dissipation rating of less than 1 W	C10L 1/04	B01J 29/16	B01J 23/883
854129	Transistors, other than photosensitive transistors, with a dissipation rating of 1 W or more	H04N 21/454	G03F 7/075	H04M 15/00
854130	Thyristors, diacs and triacs, other than photosensitive devices	H01L 21/78	H01L 31/028	H01L 51/42
854141	Light-emitting diodes	H01L 33/00	H01L 51/50	H01L 33/24
854142	Photovoltaic cells, not assembled in modules or made up into panels	H01L 31/05	G09F 13/04	C25B 15/00
854143	Photovoltaic cells assembled in modules or made up into panels	H01L 31/05	G09F 13/04	C25B 15/00
854149	Other photosensitive semiconductor diodes, other than light-emitting	H01L 27/146	F21S 41/176	F21S 41/16
854151	Other semiconductor-based transducers, other than photosensitive transducers	H01L 21/265	F21S 41/143	H01L 33/48
854159	Other semiconductor devices, other than semiconductor-based transducers, other than photosensitive devices, nesoi	H01L 21/78	H01L 51/42	H01L 31/028
854190	Parts of diodes, transistors, similar semiconductor devices, photosensitive semiconductor devices, LED's and mounted piezoelectric crystals	H01L 27/146	C30B 33/00	F21Y 115/10
854231	Electronic integrated circuits: processors and controllers	G02B 6/43	H01L 29/16	H01L 29/786
854232	Electronic integrated circuits: memories	G02B 6/43	G06F 9/445	H01L 29/16
854233	Electronic intergrated circuits: amplifiers	C12Q 1/686	C12Q 1/6806	H04J 3/06
854239	Electronic integrated circuits: other	G02B 6/43	H01L 29/786	H01L 29/16
854290	Parts of electronic integrated circuits and microassemblies	G02B 6/43	H04N 21/472	H01L 29/16
854370	Electrical machines and apparatus nesoi, designed for connection to telegraphic or telephonic apparatus, instruments or networks	B60K 1/02	G06Q 30/04	B60K 6/445

854442	Insulated electric conductors nesoi, for a voltage not exceeding 1,000 V, fitted with modular telephone connectors	H01L 31/0224	G02B 1/14	G02B 1/11
854449	Insulated electric conductors of a kind used for telecommunications, for a voltage not exceeding 80 V, not fitted with connectors	G02B 1/10	H04L 51/00	H01L 31/0224
854470	Optical fiber cables made up of individually sheathed fibers	G02B 6/44	G02B 6/38	F21V 8/00
880260	Communication satellites	H04B 7/185	H01Q 1/38	H04B 7/19
880790	Parts of aircraft of headings 8801, 8802, 8806, parts of communications satellites	H04B 7/185	B64D 15/12	B64C 1/06
900110	Optical fibers, optical fiber bundles and cables, other than those of heading 8544	G02B 6/44	C08L 69/00	C08G 18/72
901710	Drafting plotters, whether or not automatic	H04N 1/00	B60W 30/16	B41J 15/04
901790	Parts and accessories for drawing, marking-out or mathematical calculating instruments, and for hand-held instruments for measuring length	A61B 90/00	B43L 13/00	A63F 3/04
903040	Instruments and apparatus specially designed for telecommunications	A61K 51/12	G21G 1/00	C22B 13/02
903082	Instruments and apparatus for measuring or checking electrical quantities, nesoi: for measuring or checking semiconductor wafers or devices	G01R 1/067	G01J 3/51	H01L 21/673
903090	Parts and accessories for instruments and apparatus for measuring or checking semiconductor wafers or devices, nesoi	H01L 21/673	G01J 3/51	G02B 21/00
903141	Optical measuring/checking instruments/appliances for inspecting semiconductor wafers/devices or photomasks/reticle used to mfg such devices	H01L 21/66	G01R 31/28	G01N 21/95
903149	Optical instrument & appliance: to inspect masks (not photomask) used to mfg semiconductor devices; to measure contamination on such devices	G02B 5/00	G02B 1/00	C12Q 1/686
903180	Electron beam microscopes fitted with equipment specifically designed for the handling and transport of semiconductor devices or reticles	A61B 17/00	G02B 21/00	A61B 17/072
903300	LEDs for backlighting of LCDs	G02F 1/13357	G02F 1/1335	F21V 8/00