63 Vehicles travelling otherwise than on rails 63a Road vehicles drawn by animals 63b Handcarts, baby carriages, sleds Motor vehicles and trailers, motor tricycles, superstructures and 63c equipment required for the operation thereof 63d Wheels, bearings, axles for animal-drawn and motor vehicles, trailers and bicycles 63e Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles 63f Stands, racks, suspension devices, locks, fastening and training devices for bicycle and light motorcycles Accessories for bicycles, motorcycles and sport vehicles 63g 63h Bicycle and motorcycle frames, fuel tanks and cooling devices for motorcycles 63i Brakes for bicycles and motorcycles 63k Driving mechanisms for occupant-propelled or engine-propelled cycles with one or two wheels and sleds, and for occupantpropelled road vehicles with three or more wheels and sports vehicles 63a Road vehicles drawn by animals Vehicle superstructures and accessories Vehicle bodies in general, stakes, bolsters, and stake braces (20c-1; 20c-2; 20c-12; 63c-43) 63a-1/01 for passenger vehicles 63a-1/02 for goods or luggage vehicles 63a-1/03 for vehicles with stakes 63a-1/04 for vehicles with superstructures to increase load capacity Vehicle seats and seat arrangements (20c-41; 33d-6; 34g-7; 63c-43; 63c-46) 63a-2/01 Fixed seat arrangements 63a-2/02 Adjustable seat arrangements 63a-2/03 Collapsible seats, retractable seats 63a-2/04 Spring seats Tops with windshield arrangements, aprons, and protective covers (20c-29; 20c-30; 56c-7; 63b-14; 63c-45) 63a-3/01 Folding tops 63a-3/02 Collapsible tops with rigid roof or body elements Windshield arrangements, etc., and top connections therefor 63a-3/03 63a-4 Lighting equipment (21c-52; 21c-53) and lamp holders (4a-26; 63g-11) Heating, cooling and ventilation (20c-21; 20c-22; 20c-23; 20l-3) 63a-5 Vehicle doors (20c-33; 63c-44) 63a-6/01 Rotating doors 63a-6/02 Vertically sliding doors

63a-6/03	Rigid flap doors with parallel and other movements
	Vehicle windows (20c-39; 63c-44; 68b-27)
63a-7/01	Drop windows
63a-7/02	Other adjustable windows: rotary, flap, rolling and sliding windows
63a-8	Vehicle steps and foot rests (20c-37)
63a-9	Mud guards and devices for protection against dust (63b-19; 63c-58; 63d-24; 63g-15)
	Vehicle undercarriages
	Vehicle undercarriages in general (63c-37)
63a-10/01	Undercarriages and poles
63a-10/02	Fore-carriages
63a-10/03	Manual steering for fore-carriages
63a-10/04	Special wheel arrangements including steering of four and multiple-axle undercarriages
63a-10/05	Axles, axle fastenings, axle and spring bearings
	Vehicle undercarriages with steering wheels and with steered front and rear axles (63c-23 – 63c-26)
63a-11/01	Undercarriages with steered fore and rear carriages
63a-11/02	Undercarriages with steering wheels
63a-11/03	Frames
63a-12	Turntables and kingbolts for vehicle undercarriages
63a-13	Spring arrangements for vehicle undercarriages (63c-40)
63a-14	Spring arrangements with auxiliary springs (63c-40)
63a-15	Details of spring structure-(20d-21; 47a-17)
63a-16	Shock-absorber attachments on vehicle springs (63c-42)
63a-17	Air cushions serving as springs (20d-11; 63c-41)
63a-18	Vehicle undercarriages with circular tracks, caterpillar tracks (45a-21; 45a-22; 45a-3/50 – 45a-3/62; 45a-51/02; 63d; 63c-29; 63c-30; 72c-6)
	Poles and accessories
63a-19	Poles, pole supports, neck yoke bars mounted on the pole, pole holders for fastening harness elements
63a-20	Fastening of poles to vehicles
63a-21	Devices for prevention of pole breakage, e.g. flexible poles
63a-22	Devices for releasing the pole in case the animal should fall
63a-23	Whippletrees and draft equalisers for vehicles (45d-2; 46e-5)
63a-24	Trace fastening to whippletrees, whippletree hooks for vehicles (45h-3; 45h-1/08; 47d-15; 47d-16; 56b-23)
	Protective devices for draft animals
63a-25	Unharnessing devices for vehicles in general (45d-2; 46e-5; 56b-18)
63a-26	Unharnessing devices for vehicles combined with brakes
63a-27	Devices on vehicles for preventing the animal from falling
63a-28	Devices on vehicles for stopping bolting animals (56b-17; 56b-18)
63a-29	Vehicle attachments to protect the animal (63a-23; 56b-24)
63a-30	Starting aids for vehicles (20h-2; 63a-54)
	Convertible vehicles
63a-31	Road vehicles with arrangements for use on rails (20d-30; 63c-88); road vehicles with variable track
63a-32	Vehicles convertible for various purposes (20c-8; 63b-1 – 63b-5; 63b-11)
63a-33	Collapsible, dismountable and extensible vehicles (63b-1 – 63b-5; 63b-12)

	Vehicles for various purposes
63a-34	Tip carts (20c-15; 20c-16; 63c-39; 81e-92 – 81e-103)
63a-35	Road vehicles with devices for loading and unloading (35d-1; 45e-30; 63a-43; 81e-104; 81e-108), road vehicles with pivoted or sliding dumping doors (20c-13; 81d-1; 81d-2), end gates for vehicles
63a-36	Buses, mail coaches, business, delivery and merchandise sale vehicles, hearses, livestock vehicles, agricultural vehicles, timber vehicles, vehicles for cable drums, for aircraft (20c-8; 21c-19; 54h-1; 62c-27/02; 72d-8)
63a-37	Vehicles for transporting liquids such as milk, oil, and foodstuffs (20c-9; 20c-10)
63a-38	Two-wheeled and one-wheeled vehicles: racing cars
63a-39	Two-wheeled vehicles with adjustable elements for relieving the draft animals, e.g. on grades, during braking; devices for maintaining vehicles in the horizontal position on uneven roads
	Auxiliary devices for road vehicles
63a-40	Vehicle couplings and steering devices for vehicle trains (63c-3)
63a-41	Signalling and indicating devices for vehicles (74d; direction indicators 63c-69)
63a-42	Rein and whip holders (56b-13; 56b-27), rein supports and whipping devices on vehicles (45d-2; 46e-5)
63a-43	Axle supports, skid ramps (35d-1; 35d-2)
63a-44	Devices for supporting vehicle wheels, e.g. chocks; devices for cleaning vehicles (20g-5; 20h-8; 63c-91; 63g-23)
	Braking devices for vehicles (for pushcarts 63b-7, for baby carriages 63b-15)
63a-45	General arrangement of braking devices, including rods and actuating devices, such as lever and screw brakes (20f-4; 63c-51/07)
63a-46	Vehicle brake blocks and brake beams (20f-1; 20f-2)
63a-47	Vehicle stopping devices actuated by means of obstacles between the spokes and similar arrangements; safety devices against unauthorised use of the vehicles (63c-71; 63f-8 – 63f-10; 63g-9; 63h-16; 68a-111; 74a-26)
63a-48	Drag-shoe type vehicle brakes
63a-49	Support brakes and devices for the prevention of lateral vehicle skidding (63c-60; 63d-22; 63e-19)
63a-50	Brakes with special braking surfaces on the wheels, such as brake disks, brake drums; hub and rim brakes (63a-51)
63a-51	Vehicle band brakes (63a-50)
63a-52	Automatic brakes, which operate upon discontinuation of the pull on the traces, e.g. or grades, upon pulling the draft animal
63a-53	Air pressure and hydraulic pressure brakes for vehicles (20f)
63a-54	Vehicle brakes with stored energy (20f-38; 20h-3; 63a-30; 63k-8)
63b	Handcarts, baby carriages, sleds
	Handcarts for load transport (81e-122; carts with motor drive 63b)
63b-1	Handcarts, essentially with single axle and loading platform or load-engaging loading device on one side, tilting carts, sack carts
63b-2	Handcarts, essentially with single axle and central load arrangement
63b-3	Multi-axle handcarts, general
63b-4	Multi-axle handcarts with horizontal, rising platform: lift trucks (structure of lifting device 35d)
63b-5	Wheelbarrows, essentially with single wheel and distribution of load between the wheel and the handles (carts for mixing materials 80a-7)
63b-6	Device on pushcarts for facilitating the ascent or descent of stairs (63b-16)
63b-7	Brakes and arresting devices for pushcarts (63a-45 – 63a-54; 63b-15)
63b-8	Handcart elements, such as wheels, bearings, springs, supports, handles

	Baby carriages and accessories (as toys 77f-16, 77f-7/00, 77f-17/00; driven by occupant 63k; toboggan wheels 63b-25)
	General arrangements
63b-9	General baby carriage structures, nonadjustable
63b-10	Baby carriages adjustable in various ways, e.g. for different lengths, for sitting and reclining
63b-11	Convertible baby carriages, e.g. into sleds, cradles, swings (63b-1 – 63b-5; 63b-29; 63a-32)
63b-12	Collapsible baby carriages (63b-1 - 63b-5; 63a-33)
	Elements
63b-13	Undercarriages, spring arrangements, steering arrangements, wheels of baby carriages
63b-14	Bodies, tops, handles and handle bars
63b-15	Braking and arresting devices for baby carriages (63a-45 – 63a-54; 63b-7)
63b-16	Devices on baby carriages for facilitating the ascent or descent of stairs (63b-6)
63b-17	Devices for rocking baby carriages (34h-3/02)
63b-18	Safety devices on baby carriages to prevent the child from-falling out (34h-2)
63b-19 63b-20	Safety devices on wheels, mud guards, etc. (63a-9; 63c-80; 63g-15) Miscellaneous accessories, such as seating arrangement for accompanying person,
030-20	detachable auxiliary seats, amusement and musical devices on baby carriages
	Sleds pulled by animals, hand sleds and accessories (driver or engine- driven 63k-22, 63k-23; iceboats 63k-22)
63b-21	Sleds, general structure
63b-22	Single-track sleds
63b-23	Collapsible sleds
63b-24	Spring-mounted sleds
63b-25	Toboggans with wheels as substitute for sleds (63b-29; 63b-30)
63b-26 63b-27	Braking devices
63b-28	Steering devices Devices against lateral skidding
63b-29	Devices for converting wheeled vehicles into sleds (63b-25)
63b-30	Devices for converting sleds into wheeled vehicles (63b-25)
63c	Motor vehicles and trailers, motor tricycles, superstructures and equipment required for the operation thereof
	Special motor vehicle structures
	Electric motor vehicles
63c-1/01	Arrangement of motors and transmissions (20I-21)
63c-1/02	Battery arrangement and suspension (20I-6/01)
63c-1/03	Electric drive with counter-rotating armature and field (20I-21/02)
63c-1/04	Dynamoelectric power transmission (21d1-41)
63c-1/05	Switching arrangements for purely electric drives (20I-22 – 20I-24)
63c-1/06	Switching arrangements for mixed electric drives (20I-7/02)
63c-1/07 63c-1/08	Drive by means of several individually controlled motors Special devices and methods for electrically driven motor vehicles
63c-2	Motor vehicles with installations for steam or gas drive, insofar as the corresponding installations are influenced by the structure or operation of the vehicle or affect the same (steam boilers 13; steam engines 14; gas generators for vehicles 24e-3/05; cooling devices and cleaners therefor 26d-1/50)

	Tractors, lead vehicles, also for ploughs and agricultural machinery, insofar as
	their structure is not affected by the agricultural implements involved, trailers
00 - 0/04	for motor vehicles and vehicle trains (45a-22; 45a-51/00; 20g-4)
63c-3/01	Tractors, lead vehicles
63c-3/02	Tractors and semitrailers as well as couplings; equipment for the transfer of a portion of the weight of multi-axle trailers onto the tractor, long load couplings
63c-3/03	Trailers and vehicle trains, trailer drives (63c-43/07)
63c-3/04	Steering devices for motor vehicle trailers, devices to prevent swinging of trailers (63c-47)
63c-3/05	Connections between vehicles, trailer couplings, service connections, trailer shafts, passages between vehicles
63c-3/06	Towing devices for motor vehicles and motorcycles (20e)
63c-3/07	Automatically actuated brakes for trailers
63c-3/08	Vehicle trains with multi-axle trailers and through load supports or loads, e.g., timber (63a-36)
63c-3/09	One or two-wheeled trailers for motor vehicles (semitrailers 63c-3/02)
63c-3/10	Engine chassis detachably connected abreast or behind a vehicle
63c-3/11	Vehicles travelling along a cable
63c-3/12	Transversely adjustable towing arrangements for trailers
63c-3/13	Vertically adjustable towing arrangements for trailers
63c-3/14	Devices for preventing tipping over of trailer
63c-3/15	Drive of a road vehicle by means of a motor vehicle located on the road vehicle
	Motor vehicles with devices for driving auxiliary machines situated adjacent to or on the vehicle, by means of the vehicle engine; drives operated by the spring action of the vehicle
63c-4/01	with devices for driving pumps, and equipment for the utilisation of an engine cylinder as a pump
63c-4/02	with arrangements for driving hoists or winches mounted on the vehicle (devices for lifting the vehicle 63c-85; jack structures 35)
63c-4/03	with devices for driving other auxiliary machinery
63c-4/10	Drive devices operated by the spring action of the vehicle
63c-5/01	Motor tricycles and motor vehicles with two side wheels (63h-10)
63c-5/02	Engine-driven hand trucks (electric drive 63c-1/08)
63c-6	Single track motor vehicles with superstructures
63c-7	Motor vehicles with motor built into wheel or axle (63k-24)
000 7	·
00 0/04	Transmissions (63c-34; 47h), clutches
63c-8/01	Gearshifts and reversing gears, generally
63c-8/30	Worm drives
63c-8/40	Devices for coupling gearshift gears and their shafts (engine couplings 63c-14 – 63c-16)
63c-8/41	Devices for synchronising gearshift gears or clutch members in gearshifts prior to engagement
63c-9	Friction gears
63c-10/01	Planetary gearing in general
63c-10/02	Planetary gearing combined with gearshifts
63c-11	Intermittent grip gearings; pawl, friction or clamp gearings
63c-12	Belt and chain drives (47d; 63k-13; 63k-14; 63k-28)
63c-13/01	Differentials, general
63c-13/02	Differentials with spur, bevel and worm gears
63c-13/03	Differentials with two meshing spur gears mounted on a rotary body
63c-13/04	Arrangement of the differential on the engine crankshaft
63c-13/05	Differentials with friction members

63c-13/06	Differentials with belt and chain drives
63c-13/07	Differential clutches
63c-13/08	Controllable hydraulic couplings for a driving gear
63c-13/09	Coupling of driving gears with rotary drive shafts by means of springs instead of differential
63c-13/10	Blocking devices for differentials
63c-14	Cone friction clutches between engine and driving gears, except couplings in gearshift (63c-8)
63c-15	Friction disk and multi-plate clutches between engine and driving gears, apart from clutches in gearshift (63c-8)
63c-16/01	Other clutches apart from 63c-14, 63c-15 and gearshift clutches (63c-8)
63c-16/02	Brakes for the disengageable clutch member
63c-16/03	Devices for engaging and disengaging clutches
63c-16/04	Damping devices for clutches
63c-16/05	Electromagnetic clutches only (built into the gear drive 63c 8)
63c-16/06	Hydraulic clutches (built into the gear drive 63c 8)
63c-16/07	Freewheel clutches
63c-16/08	Centrifugal clutches
63c-16/09	Synchronisation clutches
63c-16/10	Auxiliary power clutches
63c-16/11	Coil spring clutches
63c-17	Flexible transmissions for driving motor vehicles
63c-18	Universal drives, shafts, and joints, flexible shafts for motor vehicles (47c-4)
63c-19/01	Levers, locking devices for levers, and adjusting rods for clutches, brakes, fuel supply, and ignition, insofar as their structure is not conditioned by a special design of clutch and brake (63c-16; 63c-51 – 63c-57)
63c-19/40	Levers and adjusting rods for the common operation of several devices
63c-19/50	Adjusting devices influenced by pressure media
63c-19/60	Devices for disengaging the drive from several places and for disengaging the drive by means of movable seats or treadles
63c-20/01	Gearshift levers and gearshift rods for change gears
63c-20/20	Locking devices for gear levers and gear rods of change gears
63c-20/30	Automatic control gear for gearshifts, including preselection devices
63c-21	Auxiliary driving arrangements powered by hands or feet
63c-22	Multiple drives, transfer cases
	Drive mechanisms for directionally controllable wheels
63c-23	General (measuring devices for toe-in of motor vehicles 42b-26/03)
63c-24	Elements of drive mechanisms with universal joints
63c-25	Elements of drive mechanisms with bevel gearings
63c-27/01	Drive of non-steering driving wheels, general
63c-27/02	Drive of driving wheels with independently swinging axle elements
63c-27/03	Drive of driving wheels by means of parallel longitudinal shafts with bevel gearings
63c-27/04	Drive of one or two driving wheels situated close together
63c-27/05	Drive of driving wheels mounted on swinging levers
63c-27/06	Drive of one of two wheels on common axle
63c-27/07	Drive of wheels situated closely one behind the other, axle pairs
63c-27/08	Drive of dual wheels
63c-28	Intermediate gearing between drive shaft and drive wheel
63c-29/01	Devices for engaging driving wheel (antiskid) lugs from the driver's seat (lugs attached to wheel 63d-22/02)

63c-29/02	Drive by means of special driving wheels and screws to be pressed against the road surface (45a-21; 45a-22; 45a-3/50; 45a-51/02)
63c-29/03	Motor vehicles with circular tracks (45a-21; 45a-22; 45a-3/50; 45a-51/02; 63a-18; 72c-6)
63c-29/04	Devices attached to motor vehicle for overcoming obstacles, e.g. climbing rollers
63c-29/05	Drive by means of exhaust gases (rocket drive for aircraft 62b-37 for ships 65f1-6/30; structure of rockets 46g)
63c-29/06	Drive by means of flywheels
63c-29/07	Drive by means of springs or other types of stored energy (63c-1/02; 63c-29/06)
63c-30	Motor vehicles with chains or belt tracks, also motor vehicles convertible from wheel to track drive (45a-22; 45a-51/01; 63a-18; 72c-6; 84d-2; track structures 63d-23; electric drive 63c-1/07)
63c-31	Stepper drive
63c-32	Drive by means of sliding feet
63c-33	Drive by means of air propellers
63c-34/01	Hydraulic drives (so-called hydraulic clutches as pure clutches 47c-18; 63c-16/06)
63c-34/50	Air pressure drives
63c-35	Arrangement and suspension of drive gear, especially of engine, clutch and compensating gearing
63c-36	Connections of driving gear axles with the spring mounted support for the transmission of the motive power
	Chassis (wheels 63c) and superstructures
63c-37	Chassis
	Axles (63d-18)
63c-38/01	Axle structures
63c-38/02	Pivotably mounted axles
63c-38/03	Axles and semi-axles formed by cross spring and guide rods
63c-39	Tilting vehicles, motor vehicles and trailers with loading and unloading devices (20c-15; 63a-34; 63a-35; tilting device structure, general 35d; movable tilting devices for cars and containers 81e-97, 81e-120; loading and unloading devices as such 81e-108)
63c-40	Spring mountings and lubricating devices for leaf springs (47e), spring housings (63a-13; 63a-14)
63c-41	Air springs
63c-42	Shock absorbers, stabilisers for vehicle-structure springs and supports
	Vehicle bodies and platforms for motor vehicles and motor vehicle
	trailers
63c-43/01	Bodies for small passenger cars, except 63c-43/10
63c-43/04	Bodies for large passenger cars, buses, except 63c-43/10
63c-43/07	Bodies and platforms for delivery vans, trucks, tank trucks, and trucks for the transportation of vehicles and containers, except 63c-43/10
63c-43/10	Frameless vehicle bodies and bodies in which the frame is a part of the chassis
63c-43/15	Vehicle bodies made of special materials, e.g. plywood, synthetic resin, etc.
C2 - 42/20	Vehicle body assemblies and elements, and connections therefor
63c-43/20	Floor assemblies, e.g. vehicle body frames
63c-43/25	Wall assemblies e.g. side panels, front wall, posts, pillars
63c-43/30	Other assemblies and elements, and connections therefor, e.g. roofs, fronts, rears, framework, ribs
63c-43/50	Flexible connections of body assemblies or elements, e.g. of body with chassis
63c-43/55	Fasteners for body assembly or element connections, e.g. wall fasteners
63c-43/65	Devices for fastening outer or inner body coverings, e.g. strips, push buttons, snaps, hooks, etc.

63c-43/68	Edge, cover and ornamental body strips
63c-43/70	Bodies for special purposes, e.g. sales trucks, passenger cars convertible into delivery
/	vans, motor vehicles and trailers with housekeeping and sleeping equipment
63c-43/80	Streamlined motor vehicles and trailers
63c-44	Doors and windows (door locks 68a-91; sliding windows 68b-27)
63c-45	Tops, vehicle tarpaulins and their fastenings
63c-46	Seats
	Steering devices
63c-47	Steering devices (for trailers 63c-3/04)
63c-48	Steering wheels, also with heating devices (switches on steering wheels 63c-19; 63c-20; 63c-64; 63c-67; 63c-69)
63c-49	Turning and revolving devices arranged on vehicle (63c-85; 63c-86)
63c-50	Inclining body and chassis while negotiating curves (stabilisers 63c-40; 63c-42)
	Braking devices (for bicycles and motorcycles 63i)
63c-51/01	Braking devices in general (brake circuits of electric drives 63c-1)
63c-51/02	Brake member shapes, brake shoes, brake bands, wedge-shaped brake members,
000 0 ., 02	disk brakes.
63c-51/03	Brake drums
63c-51/04	Brake shoe carriers, brake band carriers
63c-51/05	Brake linings, mechanical part (general 47c-18; chemical part 39b)
63c-51/06	Brakes operated by electric or electromagnetic power (20l-29; 21d1-42)
63c-51/07	Linkage structure
63c-51/08	Transmission brakes
63c-51/09	Brakes operated by springs or weights
63c-51/10	Cooling devices
63c-51/11	Adjustment devices
63c-51/12	Brakes operated by various means, e.g. by the steering device, the movable seat
63c-51/13	Control linkages for engine brakes (engine structure 46b1-23)
63c-51/14	Expanding members
63c-51/15	Overrunning type trailer brakes
63c-52	Steering wheel brakes
63c-53/01	Pressure and air suction brakes in general
63c-53/02	Gaskets, cylinders, flexible coverings, bellows
63c-53/03	Pipe systems
63c-53/04	Expanding members
63c-53/05	Control valves
63c-53/06	Brakes operated jointly by several forces: spring actuation, pressure release
63c-53/07	Brake power regulators
	Liquid-operated brakes (chemical composition of brake fluid 23c-5)
63c-54/01	Brakes actuated by throttling a liquid flow
63c-54/02	Brakes actuated by raising the pressure in a liquid flow which acts on a brake piston
63c-54/03	Pipe systems
63c-54/04	Refill devices
63c-54/05	Special pumps and compressors
63c-54/06	Brakes with liquid as transmission medium
63c-54/07	Brakes with differential piston
63c-54/10	Miscellaneous
	Auxiliary braking devices
63c-55/01	in general
63c-55/02	utilising the servo-effect of the brake shoes

63c-55/03	with connection of moving auxiliary members to a brake expanding member
63c-55/04	with connection of a moving braking device to second braking device
63c-55/05	with auxiliary power derived from a moving vehicle element regulated by the driver
	and increased by the muscle power of the driver
	Equalisers for brakes
63c-56/01	in general
63c-56/02	using Bowden cables
63c-56/03	using gearing
63c-56/04	using levers
63c-56/06	using liquid transmission or linkage
63c-56/07	using wedges and screw surfaces
63c-56/08	using cylinders and traction members
	Ground brakes
63c-57/01	Raising wheels off the road surface
63c-57/02	Introducing brake shoes or members between wheel and road surface
63c-57/03	Other ground brakes
	Motor vehicle equipment
63c-58/01	Windshields and windshield devices, general
63c-58/10	Windshield devices with protection against rain and sun
63c-58/20	Windshield with devices for preventing haze or icing, and heating devices for
	windshields (63c-82)
63c-58/30	Windshields with protection against glare
63c-58/40	Detachable sun visors within field of vision of driver
63c-59	Devices to prevent and resist dust formation while driving (63c 80)
63c-60	Devices to prevent skidding and side slipping, e.g. support wheels, friction rolls, insofar as they do not influence the friction between the treads of the regular wheels and the road surface by means of substances which increase friction or by means of [antiskid] lugs, and affect the drive or the brakes (63a-49; 63b-28; 63c-91; 63d-22; 63e-19)
63c-61	Devices to prevent skidding and increase friction of the road surface by application of substances which increase friction, e.g. sand, adhesive, etc., to the wheel tread or the road (20b-16; 20b-17)
63c-62/01	Headlamps and lamps for interior and exterior lighting, generals
63c-62/10	Lamps and headlamps for lighting curves or road turns, and the side and rear parts of the road
63c-62/20	Lamps and headlamps protected against theft
63c-62/30	Lamp holder and supports and other accessories
63c-63/01	Lighting installation and generator drives, general
63c-63/10	Safety devices for lighting equipment and for headlamps and lamps which are not
	visible to the driver
63c-63/20	Non-glare lighting equipment
63c-64	Switches and switching devices for lighting equipment
63c-65	Dimming devices for headlamps and lamps
63c-66/01	Pivoting and shifting devices for headlamps, lamps, light sources and reflectors, rotatably mounted on the vehicle, general
63c-66/10	Headlamp pivoting devices operated by steering the vehicle
63c-66/20	Headlamp pivoting devices operated by hand from the driver's seat
63c-66/30	Pivoting and shifting devices actuated by the centrifugal force generated by motion
63c-67	Devices for transmitting and receiving signals (74; 63c-64; 63c-69)
63c-68	Devices for indicating and limiting the speed
63c-69	Direction, stop, and passing indicators, also for bicycles and motorcycles (20i-24/30)

63c-70 63c-71 63c-72	Vehicle-mounted devices to prevent accidents and damage in case of collisions: buffers, road clearing devices, bumpers, and combinations thereof (20d-32; 20d-33) Safety devices for protection against theft of the vehicle (63c-78; 63c-79; 63h-16) Radiators and accessories, insofar only as they modify, or are modified by, the structure of the vehicle (general 46c4) radiator equipment, such as ornaments, flags,
63c-73 63c-74	and the like (63h-21) Heating devices (63c-58; 63c-82; 20c-21; 20c-22; heat-producing substances 24n-2) Ventilating devices (20c-25)
	Lubrication devices permanently attached to vehicles (engine lubrication 46c1)
63c-75/01	Central lubricating devices (47e)
63c-75/02	Lubrication devices for individual elements (47e)
63c-76	Arrangement and installation of intake and exhaust pipes, mufflers (63c-37)
63c-78	Tanks for fuel and other power-generating materials, measuring devices (63h-20)
63c-79	Engine hoods and locks
63c-80	Mud guards (63c-59)
63c-81	Nail catchers and tread cleaners (63c-70)
63c-82	Windshield cleaners (63c-58)
63c-83	Running boards and steps
63c-84	Number plates and identification signs (63c-62)
63c-85	Devices for lifting vehicles, insofar as they modify, or are modified by, the structure of the vehicle
63c-86	Turntables (20g; 63c-49)
63c-87	Fire extinguishers, insofar as they modify, or are modified by, the structure of the vehicle (61a-17/02)
63c-88	Motor vehicles with arrangements permitting use on rails (20d-30; 63a-31)
63c-90	Holders and receptacles, e.g. for spare tubes, wheels and tyres, luggage, tools, ashtrays (44b-27)
63c-91	Other equipment, e.g. mirrors, dashboards, backstopping, cooking, washing and cleaning devices
63d	Wheels, bearings, axles for animal-drawn and motor vehicles, trailers and bicycles
	-
604.4	Wheels for carriages and motor vehicles Wooden spoked wheels (38f-7)
63d-1	
63d-2	Metal spoked wheels (7c-32; 31c-16; 31c-25; 49i-8)
63d-3	Wood, rubber, fibre disk wheels (54f-3)
63d-4	Metal disk wheels (7c-32; 31c-16; 31c-25; 49i-8)
	Wheel construction
63d-5/01	Putting on metal tyres (7f-1)
63d-5/02	Tensioning and adjusting devices for wire spoke wheels (42k-32)
63d-5/03	Wheel lifting and removing devices (87a)
63d-6	Split rims
63d-7	Stretching tools for split rims
63d-8	Longitudinally divided and detachable rims
63d-9	Auxiliary rims and wheels
63d-10	Spokes
63d-11	Plain bearings, hubs, and axle bushings
63d-12	Axle seals
63d-13	Wheels easily removed from hub
63d-14	Cotters
63d-15	Wheels with resilient spokes
63d-16	Wheels with resilient hubs

63d-17	Wheels with resilient rims
63d-18	Axles, generally, and axles detachable together with the wheel (47b-1; 63a-10; 63h-8; 63h-13; 63c-38; linchpins 63k-37)
63d-19	Lubrication devices for axles
63d-20	Ball bearings
63d-21	Roller bearings
63d-22/01	Wheels with fixed lugs (45a-35; 45a-55/02)
63d-22/02	Wheels with jointly retractable lugs (63c-29)
63d-22/03	Single lugs and covering rings
63d-23	Endless tracks, general, and wheels with stepper feet (45a-22; 45a-51/02; 63a-18; 63c-30; 84d-2; 84d-9/02)
63d-24	Mud guards attached to wheel (63a-9; 63c-80; 63e-1/06; 63g-15)
	Bicycle wheels
	Rims
63d-25/01	made of metal (7c-33)
63d-25/02	made of wood
63d-25/03	with protective devices for the tyres
63d-26	Spokes (7d-11)
63d-27	Plain bearings and hubs
63d-28	Wheels with resilient spokes
63d-29	Wheels with resilient hubs
63d-30	Wheels with resilient rims
63d-31	Ball bearings
63d-32	Roller bearings
63d-33	Pedal bearings
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63e	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a)
	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of
	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels
63e	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres
63e 63e-1/01	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General
63e-1/01 63e-1/02	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim
63e-1/01 63e-1/02 63e-1/03	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres
63e-1/01 63e-1/02 63e-1/03 63e-1/04	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres with supporting tyres
63e-1/01 63e-1/02 63e-1/03 63e-1/04 63e-1/05	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres with supporting tyres Tyre heat reducing devices, cooling
63e-1/01 63e-1/02 63e-1/03 63e-1/04 63e-1/05 63e-1/06	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres with supporting tyres Tyre heat reducing devices, cooling Tyres with mud guards
63e-1/01 63e-1/02 63e-1/03 63e-1/04 63e-1/05 63e-1/06 63e-2	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres with supporting tyres Tyre heat reducing devices, cooling Tyres with mud guards Tube tyres
63e-1/01 63e-1/02 63e-1/03 63e-1/04 63e-1/05 63e-1/06 63e-2 63e-3/01	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres with supporting tyres Tyre heat reducing devices, cooling Tyres with mud guards
63e-1/01 63e-1/02 63e-1/03 63e-1/04 63e-1/05 63e-1/06 63e-2	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres with supporting tyres Tyre heat reducing devices, cooling Tyres with mud guards Tube tyres Inner tubes, generally
63e-1/01 63e-1/02 63e-1/03 63e-1/04 63e-1/05 63e-1/06 63e-2 63e-3/01 63e-3/02	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres with supporting tyres Tyre heat reducing devices, cooling Tyres with mud guards Tube tyres Inner tubes, generally Connections of ends to obtain endless tubes Double ended tubes
63e-1/01 63e-1/02 63e-1/03 63e-1/04 63e-1/05 63e-2 63e-3/01 63e-3/02 63e-3/03	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres with supporting tyres Tyre heat reducing devices, cooling Tyres with mud guards Tube tyres Inner tubes, generally Connections of ends to obtain endless tubes Double ended tubes Linings for tyre covers (manufacture 86c-4)
63e-1/01 63e-1/02 63e-1/03 63e-1/04 63e-1/05 63e-1/06 63e-2 63e-3/01 63e-3/02 63e-3/03	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres with supporting tyres Tyre heat reducing devices, cooling Tyres with mud guards Tube tyres Inner tubes, generally Connections of ends to obtain endless tubes Double ended tubes Linings for tyre covers (manufacture 86c-4) General, fabric structure
63e-1/01 63e-1/02 63e-1/03 63e-1/04 63e-1/05 63e-1/06 63e-2 63e-3/01 63e-3/02 63e-3/03	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres with supporting tyres Tyre heat reducing devices, cooling Tyres with mud guards Tube tyres Inner tubes, generally Connections of ends to obtain endless tubes Double ended tubes Linings for tyre covers (manufacture 86c-4) General, fabric structure of various natural or synthetic fibres
63e-1/01 63e-1/02 63e-1/03 63e-1/04 63e-1/05 63e-1/06 63e-2 63e-3/01 63e-3/02 63e-3/03	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres with supporting tyres Tyre heat reducing devices, cooling Tyres with mud guards Tube tyres Inner tubes, generally Connections of ends to obtain endless tubes Double ended tubes Linings for tyre covers (manufacture 86c-4) General, fabric structure of various natural or synthetic fibres Of metallic wire
63e-1/01 63e-1/02 63e-1/03 63e-1/04 63e-1/05 63e-1/06 63e-2 63e-3/01 63e-3/02 63e-3/03 63e-4/01 63e-4/02 63e-4/03 63e-5	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres with supporting tyres Tyre heat reducing devices, cooling Tyres with mud guards Tube tyres Inner tubes, generally Connections of ends to obtain endless tubes Double ended tubes Linings for tyre covers (manufacture 86c-4) General, fabric structure of various natural or synthetic fibres Of metallic wire Tyres with cord, string or similar linings
63e-1/01 63e-1/02 63e-1/03 63e-1/04 63e-1/05 63e-1/06 63e-2 63e-3/01 63e-3/02 63e-3/03 63e-4/01 63e-4/02 63e-4/03 63e-5 63e-5/01	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres with supporting tyres Tyre heat reducing devices, cooling Tyres with mud guards Tube tyres Inner tubes, generally Connections of ends to obtain endless tubes Double ended tubes Linings for tyre covers (manufacture 86c-4) General, fabric structure of various natural or synthetic fibres Of metallic wire Tyres with cord, string or similar linings Cord, string or similar linings for tyre covers
63e-1/01 63e-1/02 63e-1/03 63e-1/04 63e-1/05 63e-1/06 63e-2 63e-3/01 63e-3/02 63e-3/03 63e-4/01 63e-4/02 63e-4/03 63e-5	Tyres, air pumps, valves for animal-drawn and motor vehicles, trailers and bicycles (tyres for aircraft wheels 62b; manufacture of inner tubes and tyre coverings 39a) Tyres for vehicle wheels, especially for motor vehicle wheels and bicycle wheels Pneumatic tyres General with inner tube enclosed by the rim with longitudinally divided air space or spare tubes and their valves, dual tyres with supporting tyres Tyre heat reducing devices, cooling Tyres with mud guards Tube tyres Inner tubes, generally Connections of ends to obtain endless tubes Double ended tubes Linings for tyre covers (manufacture 86c-4) General, fabric structure of various natural or synthetic fibres Of metallic wire Tyres with cord, string or similar linings

63e-11 63e-12 63e-13 63e-14 63e-15 63e-16 63e-17	Leather tyre covers Tyre covers made of various materials, except leather and rubber Sectional tyres Tyres filled with balls Devices for protection against puncturing of inner tube Self-heating tyres or tubes Devices to indicate tyre pressure excess or deficiency (63c-91; 42k-10/02; manometers 42k, 63e-31/04)
63e-18/01 63e-18/02 63e-18/03	Repair of pneumatic tyres Devices for locating leaks Puncture sealing tools Patches
63e-19/01 63e-19/02 63e-19/03	Non-skid devices permanently fixed to tyre cover Non-skid covers Rivets, plates, etc, Antiskid attachments
63e-20/01 63e-20/02 63e-20/03	Detachable non-skid devices Chains straps and calk chains (47d-12 – 47d-15; 49k; 63c-60) Rubber straps and caps Leather caps
63e-21/01 63e-21/02 63e-21/03 63e-21/04	Resilient solid rubber tyres Solid rubber tyres, general Cushion tyres Hollow and chambered tyres Tyres with liquid or resilient filling materials of all kinds: cork, sponge rubber etc.
63e-23/01 63e-23/02 63e-23/03	Mounting of rubber tyres by means of stretching devices by means of clamps and forcing devices by other means
63e-24 63e-25 63e-26 63e-27 63e-28	Tyres made of metal, wood, leather, and other materials Spring tyres Spring tyres for bicycles Levers and tong-type tools for mounting and demounting tyres Other tools for handling tyres, adjusting and stretching covers
	Air pumps and valves for pneumatic tyres (27b)
63e-29/01 63e-29/02 63e-29/03	Hand and foot-operated air pumps Air pumps in general Air pumps attached to the frame Connections between air pump with tyre valve
63e-30/01 63e-30/02 63e-30/03 63e-30/04	Automatic air pumps and inflating devices Air pumps operated by wheel or tyre Air distributing installations in the vehicle, tyre filling cylinders Motor-driven pumps Air supply installations and air guns (47g-48)
63e-31/01 63e-31/02 63e-31/03	Valves (30d; 30e; 47g; 65a; 77f) in general Dust caps for valves Safety valves

63e-31/04 Excess pressure indicators integrated with valves (63e-17/02) 63f Stands, racks, suspension devices, locks, fastening and training devices for bicycle and light motorcycles Bicycle and motorcycle stands, racks, etc. 63f-1 Stands mounted on the frame in general Stands mounted on the frame in general 63f-1/01 Stands with brakes 63f-1/02 Starter stands Stands with telescopic legs 63f-1/03 63f-2/01 Pedal stands 63f-2/02 Locking stands 63f-2/03 Stands which may be used as baggage carriers (63g-6) 63f-3 Stands with auxiliary wheels 63f-4/01 Trestle-type racks 63f-4/02 Horizontal racks 63f-4/03 Vertical racks 63f-4/04 Collapsible stands and racks Other stands and racks 63f-4/05 63f-5 Suspension devices 63f-6 Holders and locking holders (68a) 63f-7 Sheds (37f) **Bicycle locks and fastenings** (63c-71; 63g-9; 63h-16; 68a-111; 74a-26) Locks in general, including steering system locks 63f-8/01 63f-8/02 Combination locks 63f-8/03 Safety means with alarm devices 63f-9/01 Locks and safety devices for pedals 63f-9/02 Locks and safety devices for chains and sprockets 63f-9/03 Locks and safety devices for wheels 63f-9/04 Locks and safety devices for saddles 63f-10 Brake locks 63f-11 Instruction devices (77e-18) 63g Accessories for bicycles, motorcycles and sport vehicles, such as saddles, acoustic signals and alarms, insofar as the structure is affected by that of the bicycle (signals and alarms in general 74a); lighting, baggage carriers, chain casings as individual elements, protective devices, etc. Bicycle and motorcycle saddles and related elements 63g-1 Saddle arrangements in general 63g-2 Details of saddle structure Saddles with adjustable seats and saddles with two movable sections 63g-3 63g-4 Saddle springs Saddle fastenings, especially saddle clamps (63g-22; saddle supports 63h-19) 63g-5 Pillion or rider seats with accessories, such as back supports, foot rests, handles 63g-6 (63f-2)63g-7 Children's seats and accessories

	Acoustic signals and alarms, illumination of bicycles and motorcycles, and other bicycle and motorcycle accessories
63g-8	Acoustic signalling devices and fastenings, e.g. devices actuated by a wheel, connected with the brakes, or electrically operated (bicycle bells 74a-9; direction indicators 63c-69)
63g-9	Alarm devices for bicycles and motorcycles against unauthorised use (63c-71; 63f-8 – 63f-10; 63h-16; 68a-111; 74a-26)
63g-10	Lighting for bicycles and motorcycles, insofar as their operation and attachment to the bicycle comes into consideration (4b-11; 21c-52; 21c-53; 21d1-12; 21f-60; 21f-61; 63c-62 – 63c-66)
63g-11	Lamp holders for bicycles and motorcycles (63a-4)
63g-12	Baggage carriers of a general nature, e.g. also on scooters
63g-13	Baggage carriers for special types of baggage, such as bags, umbrellas, canes, sabres, rifles and containers
63g-14	Chain casings as individual bicycle elements (63h-1), bicycle and motorcycle chain cleaning and lubrication
63g-15	Mudguards (63a-9; 63b-19; 63c-80)
63g-16	Shields, windshields, and body-type superstructures (63c 58)
63g-17	Body type superstructures [bodies] for sidecars of motorcycles (sidecar chassis 63h-12; bodies for single-track motor vehicles 63c-6; for motorcycles 63c-5)
63g-18	Garment protectors
63g-19	Map holder and devices for indicating speed, insofar as they modify, or are modified by, the bicycle or motorcycle frame structure (general 42o; location indicators and odometers 42p-11, 63c-91, 74b-6)
63g-20	Steps and footrests (63c-83)
63g-21	Nail catchers (63c-81)
63g-22	Fastening of loose accessories to bicycles and motorcycles, such as pump holders, watch holders, etc., fastening clamps (63g-5; 63g-13)
63g-23	Miscellaneous accessories apart from 63g-1 – 63g-22, such as lubricant containers, number plates, mirror arrangements, cleaning of wheels or parts thereof apart from chains, containers for spare tubes and arrangement of spare tyres, protective devices in the event of collision, knee and thigh supports, handles for carrying bicycles (63c-75 – 63c-78; 63c-82; 63c-84; 63c-90; 63c-91)
63h	Bicycle and motorcycle frames, tube connections, handlebars and steering devices, chain casings as elements (63c-14), saddle supports, fuel tanks and cooling devices for motorcycles
	Motorcycle frames and tube connections
63h-1/01	Rigid frames for bicycles
63h-1/02	Frames with transporting devices
63h-1/03	Fork heads for front wheels
63h-1/04	Wheel fastening, detaching, adjusting, tools
63h-1/05	Chain casings as frame elements
63h-1/06	Special frame types
63h-1/07	Pressed sheet metal elements as frames
63h-1/08	Reinforced tube sections (63h-5)
63h-1/09	Fork structure
63h-1/10	Fork reinforcement, bracings, and safety devices for forks
63h-1/11	Bicycle frame elements with storage facilities for articles in the frame tubes
63h-1/12	Frames with several adjoining seats
63h-1/13	Frames for children's bicycles and for cyclists in the prone position
63h-2/01	Spring frames for bicycles Spring frames

63i-1	Brake shoe-type brakes
63i	Brakes for bicycles and motorcycles (63c-51 - 63c-57)
63h-20 63h-21	Fuel tanks (63c-78; 63h-4) Cooling devices (63c-72)
	Accessories for motorcycles
63h-19	storing of articles inside grips (twist handles for motorcycles 63i-2) Saddle posts (63g-5)
63h-18	Grips for handlebars: heating and ventilation; protection of hands against the weather;
63h-16 63h-17	Handlebars with arrangement facilitating removal, especially as protection against unauthorised use (63c-71; 63f-8; 63g-9; 68a-111; 74a-26) Adjustable handlebars
63h-14 63h-15	Rigid handlebars Resilient handlebars
63h-13	Handlebars and steering devices, saddle supports for bicycles and motorcycles Steering devices in general
63h-12/30	Double bicycles: one bicycle abreast another (30e-2)
63h-12/10 63h-12/20	Bicycles with sidecars, also collapsible or folding (sidecar superstructures 63g-17) Trailers, and additional cars attached to front of vehicle
63h-12/01 63h-12/02	63h-11 Men's bicycles convertible into ladies' bicycles Bicycles convertible into motorcycles and vice versa
	Convertible bicycles and motorcycles, insofar as the frame is affected, except
63h-10 63h-11	Cycles with three and more wheels (motor tricycles 63c-5) Bicycles, convertible into rail velocipedes (20c-20)
63h-9	Tandems
63h-8	Twin wheels, single-axle two-track cycles
63h-6 63h-7	Bicycles and motorcycles characterised by the type of frame Monocycles Bicycles with special equipment for carrying passengers or loads
63h-5/04	Detachable connections for saddles, handlebars, etc.
63h-5/02 63h-5/03	Tube connections made by casting or electric welding Detachable tube connections
63h-5/01	Tube connections for bicycle and motorcycle frames Tube connections in general (63h-1)
63h-4/01 63h-4/02 63h-4/03	Rigid and resilient frames for motorcycles Tube frames Carrier or box frames Miscellaneous frames
63h-3	Collapsible bicycle frames Digid and recilient frames for materiales
63h-2/10	Spring suspensions for miscellaneous purposes
63h-2/09	Spring suspensions of various kinds, friction shock absorbers
63h-2/07 63h-2/08	Resilient wheel forks, resiliently connected to fork tube and frame Leaf spring, pneumatic and rubber suspensions
63h-2/06	Wheel spring suspension: coil springs
63h-2/05	Front and rear wheel spring suspension
63h-2/04	Rear wheel spring suspension
63h-2/02	Front wheel spring suspension, lower part
63h-2/02	Front wheel spring suspension, lower part

63i-2	Brakes operated by turning a grip or handlebar
63i-3/01 63i-3/02 63i-3/03	Hand or foot operated brakes acting on tyre cover or wheel rim not acting on tyre cover or wheel rim, e.g. jaw brakes acting on front and rear wheel
63i-4 63i-5 63i-6 63i-7/01 63i-7/02 63i-8 63i-9 63i-10 63i-11/01 63i-11/02 63i-11/03 63i-12	Brakes actuated by compressed air or hydraulic pressure Brakes actuated by movement of the saddle Automatically actuated brakes Brake levers and linkages, locking devices therefor (63i-1 – 63i-4) Brake levers, etc., for double brakes acting on front and back wheel Non-free-wheeling back-pedalling brakes Coaster brakes with clutch cone, axially moved by means of a thread (free wheel 63k-34) Coaster brakes operated directly by the chain Other coaster brakes (63i-9; 63i-10) Coaster brakes in which the braking power is not transmitted by the chain Reaction brakes operated by hand Coaster brakes with gearshifts (gearshifts 63k-13 – 63k-21) Bicycle brakes actuated by simultaneous depression of both pedals or by turning them in opposite directions, and other pedal brakes
63k	Driving mechanisms for occupant-propelled or engine-propelled cycles with one or two wheels and sleds, and for occupant-propelled road vehicles with three or more wheels and sports vehicles
	Constant-ratio transmissions for occupant propelled bicycle, vehicles and sports vehicles (constant-ratio transmissions for motorcycles 63k-24)
63k-1 63k-2 63k-3 63k-4 63k-5 63k-6 63k-7/01 63-7/02 63-7/03 63-7/04 63k-8	Pedal drives with planetary gearing with spur gearing, without chain or connecting rods, apart from 63k-1 with bevel gearing with pedals combined with connecting rod and crank with pedals combined with reciprocating chain or belt and ratchet mechanism with pedals combined with ratchet mechanism, apart from 63k-5 with power transmission by crank and chain drive with power transmission by friction wheels with hydraulic power transmission or by compressed air by walking motion on endless belt with auxiliary driving devices capable of storing and subsequently releasing energy, e.g. by means of springs, flywheels, balanced centrifugal devices, sails, wind wheels, propellers and elements adapted to be moved by the thighs of the driver (63a-54) Manual drives Combined manual and pedal drives Driving mechanisms, operated by movement of the seat
63k-12/01 63k-12/02	Propulsion derived from reaction to roadway impact (63k-22) by means of push rods operated by the driver by means of the foot
63k-13 63k-14	Variable speed gearing for driver propelled bicycles and sports vehicles (variable-speed gearing for motorcycles 63k-25; for motor cars 63c-8 – 3c-12) Variable-speed sprocket gearing generally, apart from 63k-14 (47h-17) Variable-speed sprocket gearing with several sprockets and only one chain (47h-17)

63k-15	Variable-speed gearings with eccentrically mounted intermediate gear
63k-16	Variable-speed planetary gearings
63k-17	Spur gear variable-speed gearings, apart from 63k-15, 63k-16
63k-18	Bevel gear variable-speed gearings
63k-19	Pedal variable-speed gearings
63k-20	Variable-speed gearings with driving gears of variable diameter
63k-21	Other types of variable-speed gearings, apart from 63k-13 – 63k-20
	Driving mechanisms for sleds (sled structures 63b-21 – 63b-30)
63k-22	Propulsion of sleds by means of kicking off with the foot, by means of crankshafts or similarly driven push rods and sails (63c-31; 63c-32; 63k-12)
63k-23	Propulsion of sleds by means of driving wheels, worm drives, and endless tracks (63c-29/01; 63c-29/02; 63c-30; 63d-22; 63d-23)
	Drives for motorcycles with one or two wheels, including the engine suspension
63k-24	Constant-radio drives, belt, chain, gear or friction gear transmissions, also with engine located in the interior of a wheel
63k-25	Gearshifts
63k-26	Control devices for regulating the operation of the engine (63k-24; 63k-25), balanced centrifugal devices
63k-27	Auxiliary foot-power driven mechanisms for two-wheeled motorcycles in which the pedals serve as foot rests
	Chain and belt drives for bicycles (in general 47d, 47h)
63k-28	Jockey pulleys and chain tightening devices cooperating with the bicycle fork (63c-12; 63k-5; 63k-14)
63k-29	Chains and sprockets, belts, belt-chains and belt-pulleys, including protective devices attached to the chains, insofar as they are particularly suited for bicycle drives (47d)
	Bicycle pedals
63k-30	of constant length
63k-31	of adjustable length
63k-32	with length varying automatically during motion
63k-33	Foot rests for pedals
	Clutches
63k-34	automatically operating for bicycles, particularly with free-wheel (63c-16/07; 63c-16/08; 63c-16/11; 63i-9 – 63i-12; 63k-5; 63k-6)
63k-35	mechanically engaged, for bicycles (47c-1 - 47c-16; 63c-14 - 63c-16)
63k-36	Flexible transmission means, inserted in the drive (63c-17; 63k-1 – 63k-28)
63k-37	Two-wheel drives with easily releasable couplings between sprocket and hub, and with linchpins (63d-27; 63d-31 – 63d-33)