

CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

TRANSPORTING

B62 LAND VEHICLES FOR TRAVELLING OTHERWISE THAN ON RAILS

B62J CYCLE SADDLES OR SEATS; AUXILIARY DEVICES OR ACCESSORIES SPECIALLY ADAPTED TO CYCLES AND NOT OTHERWISE PROVIDED FOR, e.g. ARTICLE CARRIERS OR CYCLE PROTECTORS

NOTES

1. In this subclass, the term "cycles" also embraces scooters.
2. {"Cycles" includes single or plural wheeled straddle type vehicles having a handlebar, self-balancing vehicles and kid scooters.}

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

<p>1/00 Saddles or other seats for cycles; Arrangement thereof; Component parts</p> <p>1/002 . {Saddles having a seating area with a central cavity or depression}</p> <p>1/005 . {Saddles having a seating area with multiple separate weight bearing surfaces}</p> <p>1/007 . {Saddles with specific anatomical adaptations}</p> <p>1/02 . Saddles resiliently mounted on the frame; Equipment therefor, e.g. springs</p> <p>1/04 . . Saddles capable of swinging about a horizontal pivot</p> <p>1/06 . . Saddles capable of parallel motion up and down</p> <p>1/065 . . . {Saddles supported on a parallelogram linkage}</p> <p>1/08 . Frames for saddles; Connections between saddle frames and seat pillars; Seat pillars (attaching seat pillars to cycle frames B62K 19/36)</p> <p>2001/085 . . {Seat pillars having mechanisms to vary seat height, independently of the cycle frame}</p> <p>1/10 . Internal adjustment of saddles</p> <p>1/12 . Box-shaped seats; Bench-type seats, e.g. dual or twin seats</p> <p>1/14 . Separate pillions</p> <p>1/16 . . for children</p> <p>1/162 . . . {Child seats specially adapted for motorcycles}</p> <p>1/165 . . . {Child seats attachable to handlebars}</p> <p>1/167 . . . {Child seats attachable in front of the driver saddle}</p> <p>1/18 . Covers for saddles or other seats; Paddings</p> <p>1/20 . . Detachable covers; Detachable pads</p> <p>1/22 . . Covers with built-in paddings</p> <p>1/24 . . Paddings involving torsional or bending springs</p> <p>1/26 . . Paddings involving other resilient material, e.g. sponge rubber with inflatable compartments</p> <p>1/28 . Other additional equipment, e.g. back-rests for children</p>	<p>Signal or lighting devices specially adapted for cycles (for vehicles in general B60Q)</p> <p>3/00 Acoustic signal devices (arrangements indicating unauthorised use of cycles B62H 5/20); Arrangement of such devices on cycles</p> <p>NOTE</p> <p>Group B62J 3/00 is to be understood as restricted to adaptations of signal or lighting devices peculiar to their use on cycles</p> <p>3/02 . Mechanical devices</p> <p>3/04 . . activated by the rider, e.g. bells or horns</p> <p>3/06 . . activated by rotating parts of cycles, e.g. rattles hitting spokes</p> <p>3/08 . . activated by driving wind, e.g. flutes</p> <p>3/10 . Electrical devices</p> <p>3/12 . . Buzzers; Horns with electrically driven airflow</p> <p>3/14 . . indicating functioning of other devices, e.g. acoustic warnings indicating that lights are switched on</p> <p>6/00 Arrangement of optical signalling or lighting devices on cycles; Mounting or supporting thereof; Circuits therefor</p> <p>6/01 . Electric circuits</p> <p>6/015 . . using electrical power not supplied by the cycle motor generator, e.g. using batteries or piezo elements</p> <p>6/02 . Headlights</p> <p>6/022 . . specially adapted for motorcycles or the like</p> <p>6/023 . . . responsive to the lean angle of the cycle, e.g. changing intensity or switching sub-lights when cornering</p> <p>6/024 . . . Switching between high and low beam (arrangement of switches B62J 6/16)</p>
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- 6/025 . . . characterised by vertical adjustment of the light beam direction, e.g. to compensate for heavy loads
- 6/026 . . . characterised by the structure, e.g. casings
- 6/027 . . . Supporting means therefor, e.g. mounting brackets
- 6/028 . . specially adapted for rider-propelled cycles with or without additional source of power
- 6/029 . . . characterised by the structure, e.g. casings
- 6/03 . . . Supporting means therefor, e.g. mounting brackets
- 6/04 . Rear lights
- 6/045 . . indicating braking
- 6/05 . Direction indicators
- 6/052 . . Mechanical means, e.g. rotating arms
- 6/053 . . . driven by ropes or chains
- 6/054 . . . operated manually
- 6/055 . . Electrical means, e.g. lamps
- 6/056 . . . characterised by control means
- 6/057 Automatic activation, e.g. by sensors
- 6/06 . Arrangement of lighting dynamos or drives therefor
- 6/08 . . Tyre drives
- 6/10 . . Gear drives ([B62J 6/12 takes precedence](#))
- 6/12 . . Dynamos arranged in the wheel hub
- 6/14 . . Belt drives
- 6/16 . Arrangement of switches
- 6/165 . . Wireless switches
- 6/20 . Arrangement of reflectors {, e.g. on the wheel spokes} ([pedals incorporating reflectors B62M 3/12](#)); [Lighting devices mounted on wheel spokes](#)}
- 6/22 . Warning or information lights
- 6/24 . . warning or informing the rider, e.g. low fuel warning lights
- 6/26 . . warning or informing other road users, e.g. police flash lights
- 9/27 . . characterised by mounting arrangements, e.g. quick release arrangements
- 9/28 . . specially adapted for delivery service, e.g. insulated boxes
- 9/30 . characterised by locking arrangements, e.g. top case locks integrated in a vehicle central locking system
- 9/40 . specially adapted for tools or spare parts
- 11/00 Supporting arrangements specially adapted for fastening specific devices to cycles, e.g. supports for attaching maps**
- 11/02 . for pumps
- 11/04 . for bottles
- 11/05 . for sport articles, e.g. balls or golf clubs
- 11/10 . for mechanical cables, hoses, pipes or electric wires, e.g. cable guides ([mounting or guiding of cables on rear derailleur B62M 9/127](#); [mounting or guiding of cables on front derailleur B62M 9/137](#))
- 11/13 . . specially adapted for mechanical cables
- 11/16 . . specially adapted for hoses or pipes, e.g. hydraulic, pneumatic, coolant or air filter hoses ([air filter hoses B62J 40/10](#))
- 11/19 . . specially adapted for electric wires
- 11/20 . Harnesses; Arms, e.g. for dog leads
- 11/22 . specially adapted for tools ([containers for tools B62J 9/40](#))
- 11/24 . specially adapted for helmets ([containers under the saddle for helmets B62J 9/14](#))
- 11/26 . specially adapted for umbrellas

Protectors; Fairings or streamlining parts not otherwise provided for ([guards forming parts of cycle frames B62K](#); [guards in general F16P](#))

13/00 Guards for chain, chain drive or equivalent drive, e.g. belt drive

- 13/02 . shielding only the upper run of the chain or the like
- 13/04 . completely enclosing the chain drive or the like
- 13/06 . . admitting ready access to the chain or the like

15/00 Mud-guards for wheels

- 15/02 . Fastening means; Stays
- 15/04 . Mud flaps

17/00 Weather guards for riders; Fairings or streamlining parts not otherwise provided for

- 17/02 . shielding only the rider's front
- 17/04 . . Windscreens
- 17/06 . . Leg guards
- 17/065 . . . {[Apron-like covers for rider protection](#)}
- 17/08 . Hoods protecting the rider
- 17/083 . . Frame mounted hoods specially adapted for rider propelled cycles
- 17/086 . . Frame mounted hoods specially adapted for motorcycles or the like
- 17/10 . Ventilation or air guiding devices forming part of fairings

19/00 Parking covers for cycles

- 21/00 Dress protectors, e.g. clips attached to the cycle**
- . {[Dress protectors for cranks](#)}

23/00 Other protectors specially adapted for cycles

- 25/00 Foot-rests; Knee grips; Passenger hand-grips**
- . Knee grips, e.g. on fuel tanks

Article carriers ([for vehicles in general B60R](#))

7/00 Luggage carriers

- 7/02 . characterised by the arrangement thereof on cycles
- 7/04 . . arranged above or behind the rear wheel
- 7/06 . . arranged above the front wheel, e.g. on the handlebars
- 7/08 . Equipment for securing luggage on carriers

9/00 Containers specially adapted for cycles, e.g. panniers or saddle bags

- 9/10 . integrated with the cycle
- 9/12 . . in the fairing
- 9/14 . . under the saddle
- 9/16 . . under the floor board
- 9/18 . . in a dummy fuel tank
- 9/20 . attached to the cycle as accessories
- 9/21 . . above or alongside the front wheel, e.g. on the handlebars
- 9/22 . . between the main frame tubes, e.g. suspended from the top tube
- 9/23 . . above or alongside the rear wheel ([B62J 9/26 takes precedence](#))
- 9/24 . . on specially adapted racks, e.g. for top or side cases
- 9/25 . . to the fuel tank, e.g. magnetic tank bags
- 9/26 . . to the saddle, e.g. saddle bags

25/04	. Floor-type foot rests	45/422	. . . on the handlebar
25/06	. Bar-type foot rests	45/423	. . . on or besides the wheel
25/08	. Passengers hand-grips		
25/10	. . {Pillion grab handles attached to riders clothing}	50/00	Arrangements specially adapted for use on cycles not provided for in main groups B62J 1/00 - B62J 45/00
27/00	Safety equipment		
27/10	. Safety belts specially adapted for motorcycles or the like	50/10	. Means for carrying cycles by hand
27/20	. Airbags specially adapted for motorcycles or the like	50/15	. Cleaning devices
27/30	. Crash bars; Crash bungs	50/16	. . for cleaning parts of the cycle, e.g. windscreen wipers
29/00	Adaptations or arrangements of mirrors for use on cycles	50/17	. . for using the cycle as a cleaning device, e.g. floor sweeping
31/00	Installations of lubricating devices	50/20	. Information-providing devices
33/00	Arrangements for warming riders specially adapted for cycles	50/21	. . intended to provide information to rider or passenger
35/00	Fuel tanks specially adapted for motorcycles or engine-assisted cycles; Arrangements thereof (fuel tanks forming part of cycle frames B62K 11/00; tanks in general B60K {; closure caps for fuel tanks B60K 15/0406})	50/22	. . . electronic, e.g. displays
		50/225	. . . {Mounting arrangements therefor}
		50/23	. . . mechanical, e.g. cable-driven trip meters
		50/25	. . intended to provide information to other road users, e.g. signs or flags
		50/26	. . . Number plates
		50/28	. . characterised by quick release, e.g. snap on connectors
37/00	Arrangements of fuel supply lines, taps, or the like, on motor cycles or engine-assisted cycles	50/30	. Means for ventilation within devices provided on the cycle, e.g. ventilation means in a battery container
40/00	Arrangements of air cleaners specially adapted for cycles	50/40	. Ornaments or toys
40/10	. characterised by air duct arrangements	99/00	Subject matter not provided for in other groups of this subclass
41/00	Arrangements of radiators, coolant hoses or pipes on cycles		
43/00	Arrangements of batteries		
43/10	. for propulsion		
43/13	. . on rider-propelled cycles with additional electric propulsion		
43/16	. . on motorcycles or the like		
43/20	. characterised by the mounting		
43/23	. . dismantled when charging		
43/26	. . carried on a trailer		
43/28	. . hidden within the cycle frame		
43/30	. for providing power to equipment other than for propulsion		
45/00	Electrical equipment arrangements specially adapted for use as accessories on cycles, not otherwise provided for		
45/10	. Arrangement of audio equipment; Supports therefor		
45/20	. Cycle computers as cycle accessories		
45/40	. Sensor arrangements (sensors for control of electrically assisted cycles B62M 6/50); Mounting thereof		
45/41	. . characterised by the type of sensor		
45/411	. . . Torque sensors		
45/412	. . . Speed sensors		
45/413	. . . Rotation sensors		
45/414	. . . Acceleration sensors		
45/415	. . . Inclination sensors		
45/4151 {for sensing lateral inclination of the cycle}		
45/4152 {for sensing longitudinal inclination of the cycle}		
45/416	. . . Physiological sensors, e.g. heart rate sensors		
45/42	. . characterised by mounting		
45/421	. . . at the pedal crank		