

# 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><b>1/00</b> 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 (<a href="#">attaching seat pillars to cycle frames B62K 19/36</a>)</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><b>3/00</b> <u>Signal or lighting devices specially adapted for cycles (for vehicles in general B60Q)</u></p> <p><b>3/00</b> Acoustic signal devices (arrangements indicating unauthorised use of cycles <a href="#">B62H 5/20</a>); Arrangement of such devices on cycles</p> <p><b>NOTE</b></p> <p>Group <a href="#">B62J 3/00</a> 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><b>6/00</b> 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 (<a href="#">arrangement of switches B62J 6/16</a>)</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**
- 21/005 . {[Dress protectors for cranks](#)}
- 23/00 Other protectors specially adapted for cycles**
- 25/00 Foot-rests; Knee grips; Passenger hand-grips**
- 25/02 . 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}	<b>50/00</b>	<b>Arrangements specially adapted for use on cycles not provided for in main groups <a href="#">B62J 1/00</a> - <a href="#">B62J 45/00</a></b>
<b>27/00</b>	<b>Safety equipment</b>		
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
<b>29/00</b>	<b>Adaptations or arrangements of mirrors for use on cycles</b>	50/17	. . for using the cycle as a cleaning device, e.g. floor sweeping
<b>31/00</b>	<b>Installations of lubricating devices</b>	50/20	. Information-providing devices
<b>33/00</b>	<b>Arrangements for warming riders specially adapted for cycles</b>	50/21	. . intended to provide information to rider or passenger
<b>35/00</b>	<b>Fuel tanks specially adapted for motorcycles or engine-assisted cycles; Arrangements thereof (fuel tanks forming part of cycle frames <a href="#">B62K 11/00</a>; tanks in general <a href="#">B60K</a> {; closure caps for fuel tanks <a href="#">B60K 15/0406</a>})</b>	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
<b>37/00</b>	<b>Arrangements of fuel supply lines, taps, or the like, on motor cycles or engine-assisted cycles</b>	50/30	. Means for ventilation within devices provided on the cycle, e.g. ventilation means in a battery container
<b>40/00</b>	<b>Arrangements of air cleaners specially adapted for cycles</b>	50/40	. Ornaments or toys
40/10	. characterised by air duct arrangements	<b>99/00</b>	<b>Subject matter not provided for in other groups of this subclass</b>
<b>41/00</b>	<b>Arrangements of radiators, coolant hoses or pipes on cycles</b>		
<b>43/00</b>	<b>Arrangements of batteries</b>		
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		
<b>45/00</b>	<b>Electrical equipment arrangements specially adapted for use as accessories on cycles, not otherwise provided for</b>		
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 <a href="#">B62M 6/50</a> ); 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		