

# CPC COOPERATIVE PATENT CLASSIFICATION

## B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

### TRANSPORTING

## B62 LAND VEHICLES FOR TRAVELLING OTHERWISE THAN ON RAILS

### B62K CYCLES; CYCLE FRAMES; CYCLE STEERING DEVICES; RIDER-OPERATED TERMINAL CONTROLS SPECIALLY ADAPTED FOR CYCLES; CYCLE AXLE SUSPENSIONS; CYCLE SIDE-CARS, FORECARS, OR THE LIKE

#### NOTE

In this subclass, each of the main groups [B62K 7/00](#) - [B62K 15/00](#) takes precedence over all the preceding main groups, e.g. a child's bicycle is classified in [B62K 9/00](#) and not in [B62K 3/00](#)

#### 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.

<b>1/00</b>	<b>Unicycles</b>	5/05	. . characterised by a single rear wheel
<b>3/00</b>	<b>Bicycles</b>	5/06	. . Frames for tricycles
3/002	. {without a seat, i.e. the rider operating the vehicle in a standing position, e.g. non-motorized scooters; non-motorized scooters with skis or runners}	5/08	. with steering devices acting on two or more wheels
3/005	. {Recumbent-type bicycles}	5/10	. with means for inwardly inclining the vehicle body on bends
3/02	. Frames ( <a href="#">tandem frames B62K 3/14</a> )	<b>7/00</b>	<b>Freight- or passenger-carrying cycles</b>
3/04	. . having a substantially horizontal top bar	7/02	. Frames
3/06	. . of open type	7/04	. . having a carrying platform ( <a href="#">article-carrying accessories B62J 7/00</a> - <a href="#">B62J 11/00</a> )
3/08	. . . having crossing members	<b>9/00</b>	<b>Children's cycles (toy vehicles <a href="#">A63H 17/00</a>)</b>
3/10	. . of single-beam type, i.e. connecting steering head to rear axle	9/02	. Tricycles
3/12	. Tandems	<b>11/00</b>	<b>Motorcycles, engine-assisted cycles or motor scooters with one or two wheels (<a href="#">fairings or streamlining parts not forming part of the frame B62J</a>; <a href="#">transmission of drive from engines to wheels B62M</a>)</b>
2003/125	. . { <a href="#">Tandems with side-by-side seating</a> }	11/007	. { <a href="#">Automatic balancing machines with single main ground engaging wheel or coaxial wheels supporting a rider</a> }
3/14	. . Frames	11/02	. Frames ( <a href="#">motorcycles or cycles with auxiliary engines characterised by position of engine B62M</a> )
3/16	. specially adapted for disabled riders ( <a href="#">invalid multi-track cycles A61G 5/00</a> )	11/04	. . characterised by the engine being between front and rear wheels
<b>5/00</b>	<b>Cycles with handlebars, equipped with three or more main road wheels (cycle supports or stands equipped with additional wheels for ride stabilisation <a href="#">B62H 1/12</a>)</b>	11/06	. . . the frame being of single-beam type
2005/001	. { <a href="#">Suspension details for cycles with three or more main road wheels</a> }	11/08	. . . . the beam being fabricated from sheet metal, e.g. forming fuel tank walls
2005/002	. { <a href="#">with adaptations to be used as golf carts</a> }	11/10	. . characterised by the engine being over or beside driven rear wheel
5/003	. Cycles with four or more wheels, specially adapted for disabled riders, e.g. personal mobility type vehicles with four wheels ( <a href="#">wheelchairs A61G 5/00</a> )	11/12	. Steering wheel forks characterised by the association therewith of engine
5/007	. . power-driven	11/14	. Handlebar constructions, or arrangements of controls thereon, specially adapted thereto ( <a href="#">hand controls per se B62K 23/02</a> )
5/01	. Motorcycles with four or more wheels ( <a href="#">specially adapted for disabled riders B62K 5/003</a> )	<b>13/00</b>	<b>Cycles convertible to, or transformable into, other types of cycles or land vehicle (cycle supports or stands equipped with additional wheels for ride stabilisation <a href="#">B62H 1/12</a>)</b>
5/02	. Tricycles ( <a href="#">children's tricycles B62K 9/02</a> )	13/02	. to a tandem
5/023	. . specially adapted for disabled riders, e.g. personal mobility type vehicles with three wheels ( <a href="#">wheelchairs A61G 5/00</a> )		
5/025	. . . power-driven		
5/027	. . Motorcycles with three wheels ( <a href="#">specially adapted for disabled riders B62K 5/023</a> )		

13/025	. . {from two or more cycles}	21/125	. . {Extensions; Auxiliary handlebars}
13/04	. to a tricycle	21/14	. . having resilient parts therein
13/06	. to a quadricycle, e.g. by coupling together two bicycles side by side	21/145	. . . {the handlebar itself being flexible}
13/08	. Frames	21/16	. . having adjustable parts therein
<b>15/00</b>	<b>Collapsible or foldable cycles</b>	21/18	. Connections between forks and handlebars or handlebar stems
2015/001	. {Frames adapted to be easily dismantled}	21/20	. . resilient
2015/003	. {having a foldable crank or pedal}	21/22	. . adjustable
2015/005	. {having additional wheels for use when folded or collapsed}	21/24	. . readily releasable
15/006	. {the frame being foldable}	21/26	. Handlebar grips ( <a href="#">twist grips B62K 23/04</a> )
15/008	. . {foldable about 2 or more axes}	<b>23/00</b>	<b>Rider-operated controls specially adapted for cycles, i.e. means for initiating control operations, e.g. levers, grips (specially adapted to cycle brake mechanisms <a href="#">B62L 3/00</a>)</b>
<b>17/00</b>	<b>Cycles not otherwise provided for</b>	23/02	. hand actuated (arrangements of controls on handlebars of engine-driven cycles <a href="#">B62K 11/14</a> )
<b>19/00</b>	<b>Cycle frames (cycle frames specially adapted for one particular kind of cycle specified in groups <a href="#">B62K 1/00</a> - <a href="#">B62K 17/00</a>, see the relevant group)</b>	23/04	. . Twist grips
19/02	. characterised by material or cross-section of frame members	23/06	. . Levers
19/04	. . the material being wholly or mainly metallic, e.g. of high elasticity	23/08	. foot actuated
19/06	. . . tubular	<b>25/00</b>	<b>Axle suspensions (for vehicles in general <a href="#">B60G</a>)</b>
19/08	. . . made from sheet	25/005	. {characterised by the axle being supported at one end only}
19/10	. . . Combinations of tube and sheet	25/02	. for mounting axles rigidly on cycle frame or fork, e.g. adjustably
19/12	. . . having cast members	2025/025	. . {Hinged axle clamps}
19/14	. . the material being wholly or mainly wood	25/04	. for mounting axles resiliently on cycle frame or fork ( <a href="#">for sidecars, forecars or the like B62K 27/06</a> )
19/16	. . the material being wholly or mainly of plastics	2025/041	. . {the cycle frame being made of a flexible material}
19/18	. Joints between frame members	2025/042	. . {Suspensions with sprung hubs}
19/20	. . welded, soldered, or brazed	2025/044	. . {Suspensions with automatic adjustment}
19/22	. . Adhesive joints	2025/045	. . {Suspensions with ride-height adjustment}
19/24	. . Screwed joints	2025/047	. . {with suspension locking means}
19/26	. . Riveted joints	2025/048	. . {with suspension manual adjustment details}
19/28	. . Means for strengthening joints	25/06	. . with telescopic fork, e.g. including auxiliary rocking arms
19/30	. Frame parts shaped to receive other cycle parts or accessories ( <a href="#">axle suspensions B62K 25/00</a> )	25/08	. . . for front wheel
19/32	. . Steering heads ( <a href="#">bearings therefor B62K 21/06</a> )	25/10	. . . for rear wheel
19/34	. . Bottom brackets	25/12	. . with rocking arm pivoted on each fork leg ( <a href="#">in combination with telescopic fork B62K 25/06</a> )
19/36	. . for attaching saddle pillars, e.g. adjustable during ride	25/14	. . . with single arm on each fork leg
19/38	. . for attaching brake members	25/16	. . . . for front wheel
19/40	. . for attaching accessories, e.g. article carriers, lamps	25/18	. . . . the arm being pivoted intermediate its ends
19/42	. . . for tyre pumps ( <a href="#">attachment devices not forming part of frame B62J 11/02</a> )	25/20	. . . . for rear wheel
19/44	. Chain-guards forming part of frame ( <a href="#">chain-guards per se B62J 13/00</a> )	25/22	. . . with more than one arm on each fork leg
19/46	. Luggage carriers forming part of frame ( <a href="#">luggage carriers per se B62J 7/00</a> )	25/24	. . . . for front wheel
19/48	. Fairings forming part of frame	25/26	. . . . for rear wheel
<b>21/00</b>	<b>Steering devices (steering devices specially adapted for one particular kind of cycle specified in groups <a href="#">B62K 1/00</a> - <a href="#">B62K 17/00</a>, see the relevant group)</b>	25/28	. . with pivoted chain-stay
21/005	. {Steering pivot axis arranged within the wheel, e.g. for a hub center steering arrangement}	25/283	. . . {for cycles without a pedal crank, e.g. motorcycles}
21/02	. Front wheel forks or equivalent, e.g. single tine	25/286	. . . {the shock absorber being connected to the chain-stay via a linkage mechanism}
21/04	. Fork crowns	25/30	. . . pivoted on pedal crank shelf ( <a href="#">B62K 25/32 takes precedence</a> )
21/06	. Bearings specially adapted for steering heads ( <a href="#">bearings in general F16C</a> )	25/32	. . . the chain-stay forming a chain-guard
21/08	. Steering dampers ( <a href="#">dampers in general F16F</a> )	<b>27/00</b>	<b>Sidecars; Forecars; {Trailers or the like specially adapted to be attached to cycles} (trailers <a href="#">B60P</a>; <a href="#">B62D</a>; characterised by carrying propulsion engine (<a href="#">B62M 7/14</a>))</b>
21/10	. Mechanisms for restoring steering device to straight-ahead position	27/003	. {Trailers}
21/12	. Handlebars; Handlebar stems	27/006	. . {having a single wheel}

## B62K

- 27/02 . Frames
- 27/04 . Car bodies; Fairings
- 27/06 . Resilient axle suspension
- 27/08 . Resilient car-body suspension on frame
- 27/10 . Other component parts or accessories
- 27/12 . . Coupling parts for attaching cars or the like to cycle; Arrangements thereof
- 27/14 . . . Resilient coupling parts
- 27/16 . . Hoods; Weather-guards, e.g. windscreens

### **2201/00 Springs used in cycle frames or parts thereof**

- 2201/02 . Rubber springs
- 2201/04 . Helical springs
- 2201/06 . Leaf springs
- 2201/08 . Fluid springs

### **2202/00 Motorised scooters**

### **2204/00 Adaptations for driving cycles by electric motor** (for driving electrically assisted bicycles [B62M 6/00](#))

### **2206/00 Quick release mechanisms adapted for cycles**

### **2207/00 Sensors adapted for use on cycles, not otherwise provided for**

- 2207/02 . for sensing lateral inclination of the cycle
- 2207/04 . for sensing longitudinal inclination of the cycle

### **2208/00 Arrangements of batteries on cycles, when not used for a cycle with auxiliary electric motor as provided for in [B62M 6/90](#); Batteries specially adapted therefor**