

# 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

### NOTES

1. 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](#).
2. {"Cycles" includes a 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.

<b>1/00</b>	<b>Unicycles</b>	<b>5/027</b>	. . Motorcycles with three wheels ( <a href="#">specially adapted for disabled riders B62K 5/023</a> )
<b>3/00</b>	<b>Bicycles</b>	<b>5/05</b>	. . characterised by a single rear wheel
<b>3/002</b>	. {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}	<b>5/06</b>	. . Frames for tricycles
<b>3/005</b>	. {Recumbent-type bicycles}	<b>5/08</b>	. with steering devices acting on two or more wheels
<b>3/02</b>	. Frames ( <a href="#">tandem frames B62K 3/14</a> )	<b>5/10</b>	. with means for inwardly inclining the vehicle body on bends
<b>3/04</b>	. . having a substantially horizontal top bar	<b>7/00</b>	<b>Freight- or passenger-carrying cycles</b>
<b>3/06</b>	. . of open type	<b>7/02</b>	. Frames
<b>3/08</b>	. . . having crossing members	<b>7/04</b>	. . having a carrying platform ( <a href="#">article-carrying accessories B62J 7/00</a> - <a href="#">B62J 11/00</a> )
<b>3/10</b>	. . of single-beam type, i.e. connecting steering head to rear axle	<b>9/00</b>	<b>Children's cycles (toy vehicles A63H 17/00)</b>
<b>3/12</b>	. Tandems	<b>9/02</b>	. Tricycles
<b>2003/125</b>	. . {Tandems with side-by-side seating}	<b>11/00</b>	<b>Motorcycles, engine-assisted cycles or motor scooters with one or two wheels (fairings or streamlining parts not forming part of the frame B62J; transmission of drive from engines to wheels B62M)</b>
<b>3/14</b>	. . Frames	<b>11/007</b>	. {Automatic balancing machines with single main ground engaging wheel or coaxial wheels supporting a rider}
<b>3/16</b>	. specially adapted for disabled riders ( <a href="#">invalid multi-track cycles A61G 5/00</a> )	<b>11/02</b>	. Frames ( <a href="#">motorcycles or cycles with auxiliary engines characterised by position of engine B62M</a> )
<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 B62H 1/12)</b>	<b>11/04</b>	. . characterised by the engine being between front and rear wheels
<b>2005/001</b>	. {Suspension details for cycles with three or more main road wheels}	<b>11/06</b>	. . . the frame being of single-beam type
<b>2005/002</b>	. {with adaptations to be used as golf carts}	<b>11/08</b>	. . . . the beam being fabricated from sheet metal, e.g. forming fuel tank walls
<b>5/003</b>	. 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> )	<b>11/10</b>	. . characterised by the engine being over or beside driven rear wheel
<b>5/007</b>	. . power-driven	<b>11/12</b>	. Steering wheel forks characterised by the association therewith of engine
<b>5/01</b>	. Motorcycles with four or more wheels ( <a href="#">specially adapted for disabled riders B62K 5/003</a> )	<b>11/14</b>	. Handlebar constructions, or arrangements of controls thereon, specially adapted thereto ( <a href="#">hand controls per se B62K 23/02</a> )
<b>5/02</b>	. Tricycles ( <a href="#">children's tricycles B62K 9/02</a> )		
<b>5/023</b>	. . specially adapted for disabled riders, e.g. personal mobility type vehicles with three wheels ( <a href="#">wheelchairs A61G 5/00</a> )		
<b>5/025</b>	. . . power-driven		

<b>13/00</b>	<b>Cycles convertible to, or transformable into, other types of cycles or land vehicle</b> (cycle supports or stands equipped with additional wheels for ride stabilisation <a href="#">B62H 1/12</a> )	21/06	• Bearings specially adapted for steering heads ( <a href="#">bearings in general F16C</a> )
13/02	• to a tandem	21/08	• Steering dampers ( <a href="#">dampers in general F16F</a> )
13/025	• . . {from two or more cycles}	21/10	• Mechanisms for restoring steering device to straight-ahead position
13/04	• to a tricycle	21/12	• Handlebars; Handlebar stems
13/06	• to a quadricycle, e.g. by coupling together two bicycles side by side	21/125	• . . {Extensions; Auxiliary handlebars}
13/08	• Frames	21/14	• . . having resilient parts therein
<b>15/00</b>	<b>Collapsible or foldable cycles</b>	21/145	• . . . {the handlebar itself being flexible}
2015/001	• {Frames adapted to be easily dismantled}	21/16	• . . having adjustable parts therein
2015/003	• {having a foldable crank or pedal}	21/18	• Connections between forks and handlebars or handlebar stems
2015/005	• {having additional wheels for use when folded or collapsed}	21/20	• . . resilient
15/006	• {the frame being foldable}	21/22	• . . adjustable
15/008	• . . {foldable about 2 or more axes}	21/24	• . . readily releasable
<b>17/00</b>	<b>Cycles not otherwise provided for</b>	21/26	• Handlebar grips ( <a href="#">twist grips B62K 23/04</a> )
<b>19/00</b>	<b>Cycle frames</b> (cycle frames specially adapted for one particular kind of cycle specified in groups <a href="#">B62K 1/00 - B62K 17/00</a> , see the relevant group)	<b>23/00</b>	<b>Rider-operated controls specially adapted for cycles, i.e. means for initiating control operations, e.g. levers, grips</b> (specially adapted to cycle brake mechanisms <a href="#">B62L 3/00</a> )
19/02	• characterised by material or cross-section of frame members	23/02	• hand actuated (arrangements of controls on handlebars of engine-driven cycles <a href="#">B62K 11/14</a> )
19/04	• . . the material being wholly or mainly metallic, e.g. of high elasticity	23/04	• . . Twist grips
19/06	• . . . tubular	23/06	• . . Levers
19/08	• . . . made from sheet	23/08	• foot actuated
19/10	• . . . Combinations of tube and sheet	<b>25/00</b>	<b>Axle suspensions</b> (for vehicles in general <a href="#">B60G</a> )
19/12	• . . . having cast members	25/005	• {characterised by the axle being supported at one end only}
19/14	• . . the material being wholly or mainly wood	25/02	• for mounting axles rigidly on cycle frame or fork, e.g. adjustably
19/16	• . . the material being wholly or mainly of plastics	2025/025	• . . {Hinged axle clamps}
19/18	• Joints between frame members	25/04	• for mounting axles resiliently on cycle frame or fork (for sidecars, forecars or the like <a href="#">B62K 27/06</a> )
19/20	• . . welded, soldered, or brazed	2025/041	• . . {the cycle frame being made of a flexible material}
19/22	• . . Adhesive joints	2025/042	• . . {Suspensions with sprung hubs}
19/24	• . . Screwed joints	2025/044	• . . {Suspensions with automatic adjustment}
19/26	• . . Riveted joints	2025/045	• . . {Suspensions with ride-height adjustment}
19/28	• . . Means for strengthening joints	2025/047	• . . {with suspension locking means}
19/30	• Frame parts shaped to receive other cycle parts or accessories ( <a href="#">axle suspensions B62K 25/00</a> )	2025/048	• . . {with suspension manual adjustment details}
19/32	• . . Steering heads ( <a href="#">bearings therefor B62K 21/06</a> )	25/06	• . . with telescopic fork, e.g. including auxiliary rocking arms
19/34	• . . Bottom brackets	25/08	• . . . for front wheel
19/36	• . . for attaching saddle pillars, e.g. adjustable during ride	25/10	• . . . for rear wheel
19/38	• . . for attaching brake members	25/12	• . . with rocking arm pivoted on each fork leg (in combination with telescopic fork <a href="#">B62K 25/06</a> )
19/40	• . . for attaching accessories, e.g. article carriers, lamps	25/14	• . . . with single arm on each fork leg
19/42	• . . . for tyre pumps ( <a href="#">attachment devices not forming part of frame B62J 11/02</a> )	25/16	• . . . . for front wheel
19/44	• Chain-guards forming part of frame ( <a href="#">chain-guards per se B62J 13/00</a> )	25/18	• . . . . . the arm being pivoted intermediate its ends
19/46	• Luggage carriers forming part of frame ( <a href="#">luggage carriers per se B62J 7/00</a> )	25/20	• . . . . for rear wheel
19/48	• Fairings forming part of frame	25/22	• . . . with more than one arm on each fork leg
<b>21/00</b>	<b>Steering devices</b> (steering devices specially adapted for one particular kind of cycle specified in groups <a href="#">B62K 1/00 - B62K 17/00</a> , see the relevant group)	25/24	• . . . . for front wheel
21/005	• {Steering pivot axis arranged within the wheel, e.g. for a hub center steering arrangement}	25/26	• . . . . for rear wheel
21/02	• Front wheel forks or equivalent, e.g. single tine	25/28	• . . with pivoted chain-stay
21/04	• Fork crowns	25/283	• . . . {for cycles without a pedal crank, e.g. motorcycles}
		25/286	• . . . {the shock absorber being connected to the chain-stay via a linkage mechanism}
		25/30	• . . . pivoted on pedal crank shelf ( <a href="#">B62K 25/32 takes precedence</a> )
		25/32	• . . . the chain-stay forming a chain-guard

**27/00**      **Sidecars; Forecars; {Trailers or the like specially adapted to be attached to cycles} (trailers [B60P](#); [B62D](#); characterised by carrying propulsion engine {[B62M 7/14](#)})**

- 27/003      . {Trailers}
- 27/006      . . {having a single wheel}
- 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**