

# 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>	5/027	. . Motorcycles with three wheels ( <a href="#">specially adapted for disabled riders B62K 5/023</a> )
<b>3/00</b>	<b>Bicycles</b>	5/05	. . characterised by a single rear wheel
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 }	5/06	. . Frames for tricycles
3/005	. {Recumbent-type bicycles }	5/08	. with steering devices acting on two or more wheels
3/02	. Frames ( <a href="#">tandem frames B62K 3/14</a> )	5/10	. with means for inwardly inclining the vehicle body on bends
3/04	. . having a substantially horizontal top bar	<b>7/00</b>	<b>Freight- or passenger-carrying cycles</b>
3/06	. . of open type	7/02	. Frames
3/08	. . . having crossing members	7/04	. . having a carrying platform ( <a href="#">article-carrying accessories B62J 7/00</a> - <a href="#">B62J 11/00</a> )
3/10	. . of single-beam type, i.e. connecting steering head to rear axle	<b>9/00</b>	<b>Children's cycles (toy vehicles <a href="#">A63H 17/00</a>)</b>
3/12	. Tandems	9/02	. Tricycles
2003/125	. . {Tandems with side-by-side seating }	<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>
3/14	. . Frames	11/007	. {Automatic balancing machines with single main ground engaging wheel or coaxial wheels supporting a rider }
3/16	. specially adapted for disabled riders ( <a href="#">invalid multi-track cycles A61G 5/00</a> )	11/02	. 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 (<a href="#">cycle supports or stands equipped with additional wheels for ride stabilisation B62H 1/12</a>)</b>	11/04	. . characterised by the engine being between front and rear wheels
2005/001	. {Suspension details for cycles with three or more main road wheels }	11/06	. . . the frame being of single-beam type
2005/002	. {with adaptations to be used as golf carts }	11/08	. . . . the beam being fabricated from sheet metal, e.g. forming fuel tank walls
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> )	11/10	. . characterised by the engine being over or beside driven rear wheel
5/007	. . power-driven	11/12	. Steering wheel forks characterised by the association therewith of engine
5/01	. Motorcycles with four or more wheels ( <a href="#">specially adapted for disabled riders B62K 5/003</a> )	11/14	. Handlebar constructions, or arrangements of controls thereon, specially adapted thereto ( <a href="#">hand controls per se B62K 23/02</a> )
5/02	. Tricycles ( <a href="#">children's tricycles B62K 9/02</a> )		
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		

<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> )	<b>21/00</b>	<b>Steering devices</b>
13/02	. to a tandem		<b>NOTE</b>
13/025	. . {from two or more cycles}		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.
13/04	. to a tricycle	21/005	. {Steering pivot axis arranged within the wheel, e.g. for a hub center steering arrangement}
13/06	. to a quadricycle, e.g. by coupling together two bicycles side by side	21/02	. Front wheel forks or equivalent, e.g. single tine
13/08	. Frames	21/04	. Fork crowns
<b>15/00</b>	<b>Collapsible or foldable cycles</b>	21/06	. Bearings specially adapted for steering heads (bearings in general <a href="#">F16C</a> )
2015/001	. {Frames adapted to be easily dismantled}	21/08	. Steering dampers (dampers in general <a href="#">F16F</a> )
2015/003	. {having a foldable crank or pedal}	21/10	. Mechanisms for restoring steering device to straight-ahead position
2015/005	. {having additional wheels for use when folded or collapsed}	21/12	. Handlebars; Handlebar stems
15/006	. {the frame being foldable}	21/125	. . {Extensions; Auxiliary handlebars}
15/008	. . {foldable about 2 or more axes}	21/14	. . having resilient parts therein
<b>17/00</b>	<b>Cycles not otherwise provided for</b>	21/145	. . . {the handlebar itself being flexible}
<b>19/00</b>	<b>Cycle frames</b>	21/16	. . having adjustable parts therein
	<b>NOTE</b>	21/18	. Connections between forks and handlebars or handlebar stems
	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.	21/20	. . resilient
19/02	. characterised by material or cross-section of frame members	21/22	. . adjustable
19/04	. . the material being wholly or mainly metallic, e.g. of high elasticity	21/24	. . readily releasable
19/06	. . . tubular	21/26	. Handlebar grips ( <a href="#">twist grips B62K 23/04</a> )
19/08	. . . made from sheet	<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> )
19/10	. . . Combinations of tube and sheet	23/02	. hand actuated (arrangements of controls on handlebars of engine-driven cycles <a href="#">B62K 11/14</a> )
19/12	. . . having cast members	23/04	. . Twist grips
19/14	. . the material being wholly or mainly wood	23/06	. . Levers
19/16	. . the material being wholly or mainly of plastics	23/08	. foot actuated
19/18	. Joints between frame members	<b>25/00</b>	<b>Axle suspensions</b> (for vehicles in general <a href="#">B60G</a> )
19/20	. . welded, soldered, or brazed	25/005	. {characterised by the axle being supported at one end only}
19/22	. . Adhesive joints	25/02	. for mounting axles rigidly on cycle frame or fork, e.g. adjustably
19/24	. . Screwed joints	2025/025	. . {Hinged axle clamps}
19/26	. . Riveted joints	25/04	. for mounting axles resiliently on cycle frame or fork (for sidecars, forecars or the like <a href="#">B62K 27/06</a> )
19/28	. . Means for strengthening joints	2025/041	. . {the cycle frame being made of a flexible material}
19/30	. Frame parts shaped to receive other cycle parts or accessories (axle suspensions <a href="#">B62K 25/00</a> )	2025/042	. . {Suspensions with sprung hubs}
19/32	. . Steering heads (bearings therefor <a href="#">B62K 21/06</a> )	2025/044	. . {Suspensions with automatic adjustment}
19/34	. . Bottom brackets	2025/045	. . {Suspensions with ride-height adjustment}
19/36	. . for attaching saddle pillars, e.g. adjustable during ride	2025/047	. . {with suspension locking means}
19/38	. . for attaching brake members	2025/048	. . {with suspension manual adjustment details}
19/40	. . for attaching accessories, e.g. article carriers, lamps	25/06	. . with telescopic fork, e.g. including auxiliary rocking arms
19/42	. . . for tyre pumps (attachment devices not forming part of frame <a href="#">B62J 11/02</a> )	25/08	. . . for front wheel
19/44	. Chain-guards forming part of frame (chain-guards per se <a href="#">B62J 13/00</a> )	25/10	. . . for rear wheel
19/46	. Luggage carriers forming part of frame (luggage carriers per se <a href="#">B62J 7/00</a> )	25/12	. . with rocking arm pivoted on each fork leg (in combination with telescopic fork <a href="#">B62K 25/06</a> )
19/48	. Fairings forming part of frame	25/14	. . . with single arm on each fork leg
		25/16	. . . . for front wheel
		25/18	. . . . the arm being pivoted intermediate its ends
		25/20	. . . . for rear wheel
		25/22	. . . with more than one arm on each fork leg

## B62K

- 25/24 . . . . for front wheel
- 25/26 . . . . for rear wheel
- 25/28 . . with pivoted chain-stay
- 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 ([B62K 25/32](#) takes precedence)
- 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

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