

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.

1/00	Unicycles	5/027	. . Motorcycles with three wheels (specially adapted for disabled riders B62K 5/023)
3/00	Bicycles	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 (tandem frames B62K 3/14)	5/10	. with means for inwardly inclining the vehicle body on bends
3/04	. . having a substantially horizontal top bar	7/00	Freight- or passenger-carrying cycles
3/06	. . of open type	7/02	. Frames
3/08	. . . having crossing members	7/04	. . having a carrying platform (article-carrying accessories B62J 7/00 - B62J 11/00)
3/10	. . of single-beam type, i.e. connecting steering head to rear axle	9/00	Children's cycles (toy vehicles A63H 17/00)
3/12	. Tandems	9/02	. Tricycles
2003/125	. . {Tandems with side-by-side seating}	11/00	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)
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 (invalid multi-track cycles A61G 5/00)	11/02	. Frames (motorcycles or cycles with auxiliary engines characterised by position of engine B62M)
5/00	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)	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 (wheelchairs A61G 5/00)	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 (specially adapted for disabled riders B62K 5/003)	11/14	. Handlebar constructions, or arrangements of controls thereon, specially adapted thereto (hand controls per se B62K 23/02)
5/02	. Tricycles (children's tricycles B62K 9/02)		
5/023	. . specially adapted for disabled riders, e.g. personal mobility type vehicles with three wheels (wheelchairs A61G 5/00)		
5/025	. . . power-driven		

13/00	Cycles convertible to, or transformable into, other types of cycles or land vehicle (cycle supports or stands equipped with additional wheels for ride stabilisation B62H 1/12)	21/06	<ul style="list-style-type: none"> • Bearings specially adapted for steering heads (bearings in general F16C)
13/02	<ul style="list-style-type: none"> • to a tandem 	21/08	<ul style="list-style-type: none"> • Steering dampers (dampers in general F16F)
13/025	<ul style="list-style-type: none"> • . . {from two or more cycles} 	21/10	<ul style="list-style-type: none"> • Mechanisms for restoring steering device to straight-ahead position
13/04	<ul style="list-style-type: none"> • to a tricycle 	21/12	<ul style="list-style-type: none"> • Handlebars; Handlebar stems
13/06	<ul style="list-style-type: none"> • to a quadricycle, e.g. by coupling together two bicycles side by side 	21/125	<ul style="list-style-type: none"> • . . {Extensions; Auxiliary handlebars}
13/08	<ul style="list-style-type: none"> • Frames 	21/14	<ul style="list-style-type: none"> • . . having resilient parts therein
15/00	Collapsible or foldable cycles	21/145	<ul style="list-style-type: none"> • . . . {the handlebar itself being flexible}
2015/001	<ul style="list-style-type: none"> • {Frames adapted to be easily dismantled} 	21/16	<ul style="list-style-type: none"> • . . having adjustable parts therein
2015/003	<ul style="list-style-type: none"> • {having a foldable crank or pedal} 	21/18	<ul style="list-style-type: none"> • Connections between forks and handlebars or handlebar stems
2015/005	<ul style="list-style-type: none"> • {having additional wheels for use when folded or collapsed} 	21/20	<ul style="list-style-type: none"> • . . resilient
15/006	<ul style="list-style-type: none"> • {the frame being foldable} 	21/22	<ul style="list-style-type: none"> • . . adjustable
15/008	<ul style="list-style-type: none"> • . . {foldable about 2 or more axes} 	21/24	<ul style="list-style-type: none"> • . . readily releasable
17/00	Cycles not otherwise provided for	21/26	<ul style="list-style-type: none"> • Handlebar grips (twist grips B62K 23/04)
19/00	Cycle frames (cycle frames specially adapted for one particular kind of cycle specified in groups B62K 1/00 - B62K 17/00 , see the relevant group)	23/00	Rider-operated controls specially adapted for cycles, i.e. means for initiating control operations, e.g. levers, grips (specially adapted to cycle brake mechanisms B62L 3/00)
19/02	<ul style="list-style-type: none"> • characterised by material or cross-section of frame members 	23/02	<ul style="list-style-type: none"> • hand actuated (arrangements of controls on handlebars of engine-driven cycles B62K 11/14)
19/04	<ul style="list-style-type: none"> • . . the material being wholly or mainly metallic, e.g. of high elasticity 	23/04	<ul style="list-style-type: none"> • . . Twist grips
19/06	<ul style="list-style-type: none"> • . . . tubular 	23/06	<ul style="list-style-type: none"> • . . Levers
19/08	<ul style="list-style-type: none"> • . . . made from sheet 	23/08	<ul style="list-style-type: none"> • foot actuated
19/10	<ul style="list-style-type: none"> • . . . Combinations of tube and sheet 	25/00	Axle suspensions (for vehicles in general B60G)
19/12	<ul style="list-style-type: none"> • . . . having cast members 	25/005	<ul style="list-style-type: none"> • {characterised by the axle being supported at one end only}
19/14	<ul style="list-style-type: none"> • . . the material being wholly or mainly wood 	25/02	<ul style="list-style-type: none"> • for mounting axles rigidly on cycle frame or fork, e.g. adjustably
19/16	<ul style="list-style-type: none"> • . . the material being wholly or mainly of plastics 	2025/025	<ul style="list-style-type: none"> • . . {Hinged axle clamps}
19/18	<ul style="list-style-type: none"> • Joints between frame members 	25/04	<ul style="list-style-type: none"> • for mounting axles resiliently on cycle frame or fork (for sidecars, forecars or the like B62K 27/06)
19/20	<ul style="list-style-type: none"> • . . welded, soldered, or brazed 	2025/041	<ul style="list-style-type: none"> • . . {the cycle frame being made of a flexible material}
19/22	<ul style="list-style-type: none"> • . . Adhesive joints 	2025/042	<ul style="list-style-type: none"> • . . {Suspensions with sprung hubs}
19/24	<ul style="list-style-type: none"> • . . Screwed joints 	2025/044	<ul style="list-style-type: none"> • . . {Suspensions with automatic adjustment}
19/26	<ul style="list-style-type: none"> • . . Riveted joints 	2025/045	<ul style="list-style-type: none"> • . . {Suspensions with ride-height adjustment}
19/28	<ul style="list-style-type: none"> • . . Means for strengthening joints 	2025/047	<ul style="list-style-type: none"> • . . {with suspension locking means}
19/30	<ul style="list-style-type: none"> • Frame parts shaped to receive other cycle parts or accessories (axle suspensions B62K 25/00) 	2025/048	<ul style="list-style-type: none"> • . . {with suspension manual adjustment details}
19/32	<ul style="list-style-type: none"> • . . Steering heads (bearings therefor B62K 21/06) 	25/06	<ul style="list-style-type: none"> • . . with telescopic fork, e.g. including auxiliary rocking arms
19/34	<ul style="list-style-type: none"> • . . Bottom brackets 	25/08	<ul style="list-style-type: none"> • . . . for front wheel
19/36	<ul style="list-style-type: none"> • . . for attaching saddle pillars, e.g. adjustable during ride 	25/10	<ul style="list-style-type: none"> • . . . for rear wheel
19/38	<ul style="list-style-type: none"> • . . for attaching brake members 	25/12	<ul style="list-style-type: none"> • . . with rocking arm pivoted on each fork leg (in combination with telescopic fork B62K 25/06)
19/40	<ul style="list-style-type: none"> • . . for attaching accessories, e.g. article carriers, lamps 	25/14	<ul style="list-style-type: none"> • . . . with single arm on each fork leg
19/42	<ul style="list-style-type: none"> • . . . for tyre pumps (attachment devices not forming part of frame B62J 11/02) 	25/16	<ul style="list-style-type: none"> • for front wheel
19/44	<ul style="list-style-type: none"> • Chain-guards forming part of frame (chain-guards per se B62J 13/00) 	25/18	<ul style="list-style-type: none"> • the arm being pivoted intermediate its ends
19/46	<ul style="list-style-type: none"> • Luggage carriers forming part of frame (luggage carriers per se B62J 7/00) 	25/20	<ul style="list-style-type: none"> • for rear wheel
19/48	<ul style="list-style-type: none"> • Fairings forming part of frame 	25/22	<ul style="list-style-type: none"> • . . . with more than one arm on each fork leg
21/00	Steering devices (steering devices specially adapted for one particular kind of cycle specified in groups B62K 1/00 - B62K 17/00 , see the relevant group)	25/24	<ul style="list-style-type: none"> • for front wheel
21/005	<ul style="list-style-type: none"> • {Steering pivot axis arranged within the wheel, e.g. for a hub center steering arrangement} 	25/26	<ul style="list-style-type: none"> • for rear wheel
21/02	<ul style="list-style-type: none"> • Front wheel forks or equivalent, e.g. single tine 	25/28	<ul style="list-style-type: none"> • . . with pivoted chain-stay
21/04	<ul style="list-style-type: none"> • Fork crowns 	25/283	<ul style="list-style-type: none"> • . . . {for cycles without a pedal crank, e.g. motorcycles}
		25/286	<ul style="list-style-type: none"> • . . . {the shock absorber being connected to the chain-stay via a linkage mechanism}
		25/30	<ul style="list-style-type: none"> • . . . pivoted on pedal crank shelf (B62K 25/32 takes precedence)
		25/32	<ul style="list-style-type: none"> • . . . 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**