

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.

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| 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 | | |

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| 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) | 21/00 | Steering devices |
| 13/02 | • to a tandem | | NOTE |
| 13/025 | • . {from two or more cycles} | | Steering devices specially adapted for one particular kind of cycle specified in groups B62K 1/00 - B62K 17/00 , 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 |
| 15/00 | Collapsible or foldable cycles | 21/06 | • Bearings specially adapted for steering heads (bearings in general F16C) |
| 2015/001 | • {Frames adapted to be easily dismantled} | 21/08 | • Steering dampers (dampers in general F16F) |
| 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 |
| 17/00 | Cycles not otherwise provided for | 21/145 | • . . {the handlebar itself being flexible} |
| 19/00 | Cycle frames | 21/16 | • . having adjustable parts therein |
| | NOTE | 21/18 | • Connections between forks and handlebars or handlebar stems |
| | Cycle frames specially adapted for one particular kind of cycle specified in groups B62K 1/00 - B62K 17/00 , 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 (twist grips B62K 23/04) |
| 19/08 | • . . made from sheet | 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) |
| 19/10 | • . . Combinations of tube and sheet | 23/02 | • hand actuated (arrangements of controls on handlebars of engine-driven cycles B62K 11/14) |
| 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 | 25/00 | Axle suspensions (for vehicles in general B60G) |
| 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 B62K 27/06) |
| 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 B62K 25/00) | 2025/042 | • . {Suspensions with sprung hubs} |
| 19/32 | • . Steering heads (bearings therefor B62K 21/06) | 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 B62J 11/02) | 25/08 | • . . for front wheel |
| 19/44 | • Chain-guards forming part of frame (chain-guards per se B62J 13/00) | 25/10 | • . . for rear wheel |
| 19/46 | • Luggage carriers forming part of frame (luggage carriers per se B62J 7/00) | 25/12 | • . with rocking arm pivoted on each fork leg (in combination with telescopic fork B62K 25/06) |
| 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**