B62K

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

Definition statement

This place covers:

Cycle frames, steering, controls, suspension arrangements vehicles with more than three wheels and cycle side cars, forecars or trailers.

Special rules of classification

Multiple classification should be given if appropriate.

Where applicable, additional classification should also be given using the following indexing codes:

B62K 2201/00 – springs used in cycle frames or parts thereof;

B62K 2202/00 – motorized scooters;

B62K 2204/00 – adaptations for driving cycles by electric motor.

B62K 1/00

Unicycles

Definition statement

This place covers:

Cycles with a single road engaging wheel.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Hoop exercising apparatus including wheels in which people can sit	A63B 19/00

B62K 3/00

Bicycles

Definition statement

This place covers:

This is the head group where classification is given if none of the sub groups are relevant and as such contains particularly unusual bicycle arrangements

B62K 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}

Definition statement

This place covers:

Push scooter type vehicles (kickboards) equiped with a handlebar for steering, including motor arrangements for these scooters

References

Limiting references

This place does not cover:

Skate-boards	A63C 17/00

B62K 3/005

{Recumbent-type bicycles}

Definition statement

This place covers:

Bicycles in which the rider adopts a reclined riding position, either on his front, or on his back.

B62K 3/02

Frames (tandem frames B62K 3/14)

Definition statement

This place covers:

Bicycle frames as a complete unit e.g. details of the bicycle frame shape. Constructional details of the frame are in B62K 19/00

References

Limiting references

This place does not cover:

Tandem frames	B62K 3/14
Cycles with handlebar having more than two main road wheels	B62K 5/00
Frames for tricycles	B62K 5/06

Informative references

Attention is drawn to the following places, which may be of interest for search:

Constructional details of the frame	B62K 19/00

B62K 3/12

Tandems

Special rules of classification

Additional classification has to be given in the indented codes

B62K 3/16

specially adapted for disabled riders (invalid multi-track cycles A61G 5/00)

References

Limiting references

This place does not cover:

Cycles with three or more wheels, specially adapted for disabled riders	B62K 5/003, B62K 5/023
Invalid multi-track vehicles e.g. wheelchairs	A61G 5/00

B62K 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)

Definition statement

This place covers:

Sub groups include tricycles

References

Limiting references

This place does not cover:

Cycle supports or stands equipped with additional wheels for ride stabilisation	B62H 1/12

Informative references

Attention is drawn to the following places, which may be of interest for search:

Motor vehicles or trailers, characterised by the arrangement or number of wheels, not otherwise provided for, e.g. four wheels in diamond pattern (sub-groups include tricycles)	B62D 61/00

Special rules of classification

Additional classification has to be given in the indented codes

B62K 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)

References

Limiting references

This place does not cover:

Invalid multi-track vehicles e.g. wheelchairs	A61G 5/00

B62K 5/01

Motorcycles with four or more wheels (specially adapted for disabled riders B62K 5/003)

References

Limiting references

This place does not cover:

Specially adapted for disabled riders	B62K 5/003

B62K 5/02

Tricycles (children's tricycles B62K 9/02)

References

Limiting references

This place does not cover:

Children's tricycles	B62K 9/02

B62K 5/023

specially adapted for disabled riders, e.g. personal mobility type vehicles with three wheels (wheelchairs A61G 5/00)

References

Limiting references

This place does not cover:

Wheelchairs	A61G 5/00

B62K 5/027

Motorcycles with three wheels (specially adapted for disabled riders B62K 5/023)

References

Limiting references

This place does not cover:

Specially adapted for disabled riders	B62K 5/023

B62K 5/06

Frames for tricycles

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cycle frames e.g. adaptations or constructional details of the frame	B62K 19/00

B62K 5/08

with steering devices acting on two or more wheels

Definition statement

This place covers:

Only for documents in which the steering arrangement is specifically described. Includes power steering arrangements acting on two or more wheels for cycles with handlebars with more than two main road wheels.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Power steering for vehicles	B62D 5/00

B62K 5/10

with means for inwardly inclining the vehicle body on bends

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Vehicle steering systems in general, combined with means for inwardly inclining vehicle body on bends	B62D 9/02

B62K 7/00

Freight- or passenger-carrying cycles

Definition statement

This place covers:

Cycles especially adapted to carry bulky packages/freight items or adapted for carrying one or more passengers in addition to the rider,

B62K 7/04

having a carrying platform (article-carrying accessories B62J 7/00 - B62J 11/00)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Article-carrying accessories	B62J 7/00 - B62J 11/00

B62K 9/00

Children's cycles (toy vehicles A63H 17/00)

Definition statement

This place covers:

Childrens bicycles, tricycles and pedal cars and similar childrens vehicles which may be motorised and which comprise special adaptations for their use by children.

References

Limiting references

This place does not cover:

Apparatus for helping babies to walk; Baby walkers or strollers	A47D 13/04
Toy vehicles	A63H 17/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Vehicle understructures, specially adapted for sports vehicles, e.g. go-karts	B62D 21/183

B62K 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)

Definition statement

This place covers:

Frames (chassis) or frame adaptations of single wheeled or single track two-wheeled vehicles (i.e. with a front wheel and a rear wheel) equipped with an engine or motor, not intended to be propelled using human power.

References

Limiting references

This place does not cover:

Cycles with handlebars with more than two main road wheels	B62K 5/00
Rider propulsion of wheeled vehicles with additional source of power, e.g. combustion engine or electric motor	B62M 6/00
Transmissions for motorcycles characterised by position of motor or engine	B62M 7/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Luggage carriers forming part of frame e.g. under seat storage areas	B62K 19/46
Arrangement of engine supports in general	B60K 5/12
Fairings or streamlining parts, not forming part of frame	B62J 17/00
Characterised by the use of two or more dissimilar sources of power, e.g. transmissions for hybrid motorcycles	B62M 23/02

Special rules of classification

In B62K 11/00 cycle should be interpreted like a moped, with more emphasis on the motorcycle, rather than a bicycle with motor/engine assist which should be in B62M 6/00. All unicycles should be in B62K 1/00. Any specific frame modification specifically for mounting an engine or motor which are relevant to non-pedalled cycles (with less than 3 wheels) should be classified here.

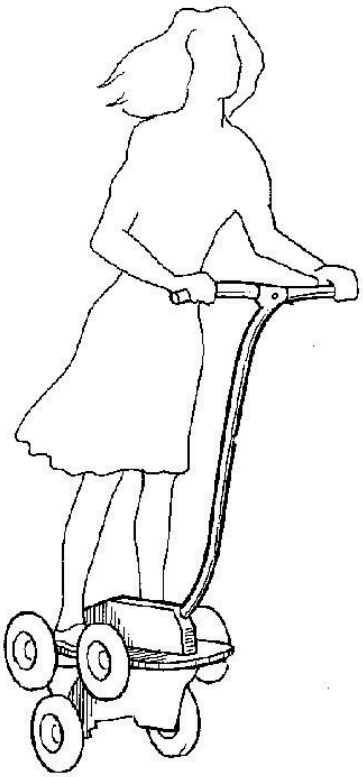
B62K 11/007

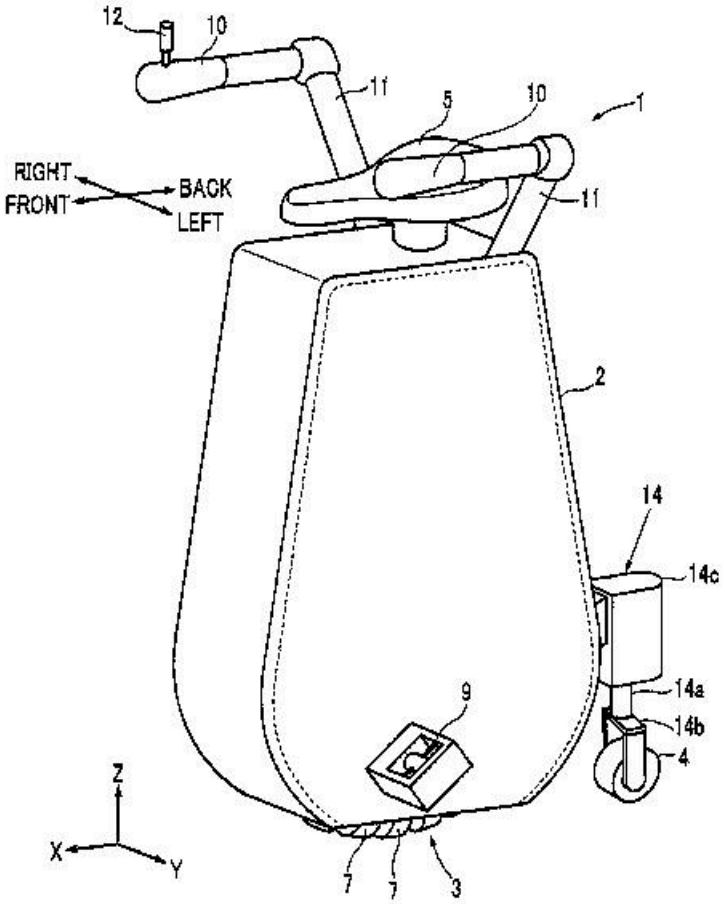
{Automatic balancing machines with single main ground engaging wheel or coaxial wheels supporting a rider}

Definition statement

This place covers:

- Vehicles which use electrically driven wheel or wheels to remain upright while also propelling the rider in a desired direction.
- Control of the electric drive for balancing




12
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3

Special rules of classification

Balancing machines having a single main ground engaging wheel should be further classified in B62K 1/00 for unicycles.

If there is an additional support wheel (see ref. 4 in the second figure) the device will still be considered a unicycle.

B62K 11/14

Handlebar constructions, or arrangements of controls thereon, specially adapted thereto (hand controls per se B62K 23/02)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Hand controls per se	B62K 23/02

B62K 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)

Definition statement

This place covers:

Cycles or accessories for cycles which facilitate the adaptation/conversion or transformation of a cycle into a different type of cycle or land vehicle.

References

Limiting references

This place does not cover:

Cycle supports or stands equipped with additional wheels for ride stabilisation	B62H 1/12

Special rules of classification

Examples of accessories to be classified here may be a pair of rear wheels, not training wheels, mounted to a common bicycle to convert it to a tricycle or skis attachable to the wheels of the conventional cycle to adapt it for snow.

B62K 13/08

Frames

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cycle frames e.g. adaptations or constructional details of the frame	B62K 19/00

B62K 15/00

Collapsible or foldable cycles

Special rules of classification

Additional classification has to be given in the indented codes

B62K 17/00

Cycles not otherwise provided for

Definition statement

This place covers:

Unusual cycles or cycles with unusual characterizing features or appearance which do not readily fall into the other groups.

B62K 19/00

Cycle frames

Definition statement

This place covers:

Details of frame construction e.g. adaptations or constructional details of the frame.

B62K 19/30

Frame parts shaped to receive other cycle parts or accessories (axle suspensions B62K 25/00)

References

Limiting references

This place does not cover:

Axle suspensions	B62K 25/00

B62K 19/32

Steering heads (bearings therefor B62K 21/06)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Bearings specially adapted for steering heads	B62K 21/06

B62K 19/34

Bottom brackets

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Combination of crank axles and bearings housed in the bottom bracket	B62M 3/003

B62K 19/42

for tyre pumps (attachment devices not forming part of frame B62J 11/02)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Attachment devices for pumps not forming part of frame	B62J 11/02

B62K 19/44

Chain-guards forming part of frame (chain-guards per se B62J 13/00)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Chain-guards per se	B62J 13/00

B62K 19/46

Luggage carriers forming part of frame (luggage carriers per se B62J 7/00)

Definition statement

This place covers:

Storage areas on motorcycles, e.g. under seat.

References

Limiting references

This place does not cover:

Luggage carriers per se	B62J 7/00

B62K 19/48

Fairings forming part of frame

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Weather guards for riders; Fairings or stream-lining parts not otherwise provided for	B62J 17/00

B62K 21/00

Steering devices

Definition statement

This place covers:

Specific arrangements for steering a wheel of a two-wheeled cycle.

B62K 21/04

Fork crowns

Definition statement

This place covers:

Includes motorcycle "triple trees".

B62K 21/06

Bearings specially adapted for steering heads (bearings in general F16C)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Bearings in general	F16C

B62K 21/08

Steering dampers (dampers in general F16F)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Dampers in general	F16F

B62K 21/20

resilient

Definition statement

This place covers:

Includes springs in the steering head

B62K 21/26

Handlebar grips (twist grips B62K 23/04)

References

Limiting references

This place does not cover:

Twist grips	B62K 23/04

B62K 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)

Definition statement

This place covers:

Human operated cycle control devices for e.g. brake or gear change or throttle (gas) or clutch mechanisms

References

Limiting references

This place does not cover:

Brake actuating mechanisms	B62L 3/00

Special rules of classification

Where the control relates to a gear activation mechanism, this should additionally be classified in the relevant group under B62M 25/00.

B62K 23/02

hand actuated (arrangements of controls on handle-bars of engine-driven cycles B62K 11/14)

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Arrangements of controls on handle-bars of engine-driven cycles	B62K 11/14

Controlling members for hand actuation by pivoting movement, e.g. levers	G05G 1/04

B62K 23/08

foot actuated

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Motorcycle type sequential gear change mechanisms	F16H 63/16

B62K 25/00

Axle suspensions (for vehicles in general B60G)

Definition statement

This place covers:

The connection between the wheel axle or its equivalent and the cycle frame.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Hubs for bicycles	B60B 27/023
Axle suspensions for vehicles in general	B60G

B62K 25/02

for mounting axles rigidly on cycle frame or fork, e.g. adjustably

Definition statement

This place covers:

includes all quickly detachable axles i.e. drop-outs

Special rules of classification

Additional classification has to be given in the indented codes

B62K 25/04

for mounting axles resiliently on cycle frame or fork (for sidecars, forecars or the like B62K 27/06)

Definition statement

This place covers:

Includes sprung hubs and sprung frames (flexible frames).

References

Limiting references

This place does not cover:

Resilient axle suspension, for sidecars, forecars or the like	B62K 27/06

Informative references

Attention is drawn to the following places, which may be of interest for search:

Shock absorber internal details	F16F

Special rules of classification

Additional classification has to be given in the indented codes

B62K 25/06

with telescopic fork, e.g. including auxiliary rocking arms

Definition statement

This place covers:

This group does not include telescopic shock absorbers unless they incorporate the fork legs also

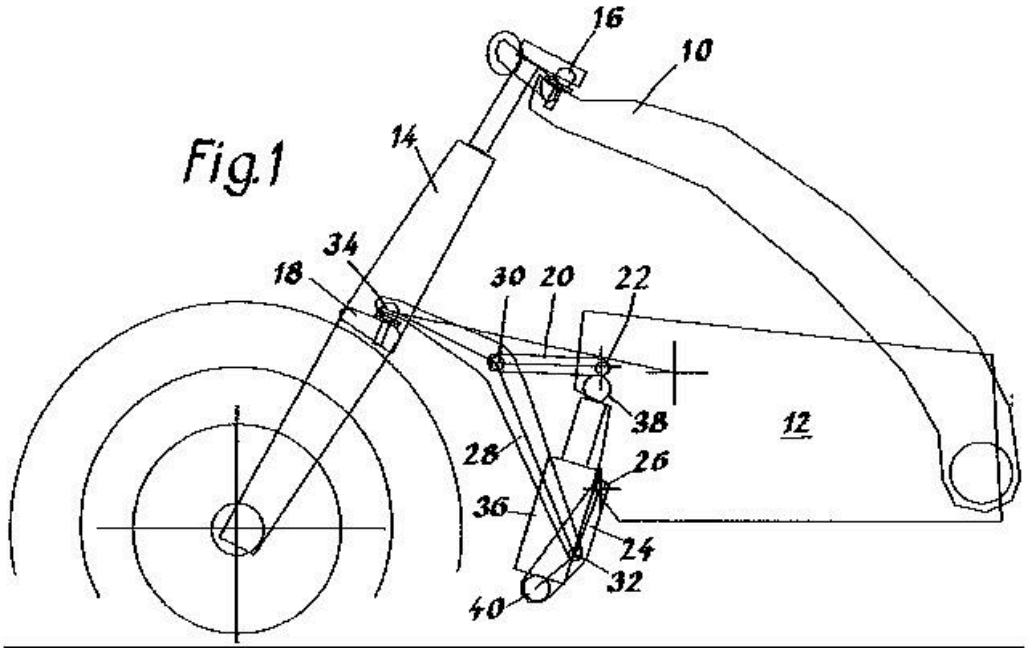
B62K 25/16

for front wheel

Definition statement

This place covers:

A lever arm connecting the front wheel axle to the frame, see the example figure with arm (28) pivoted on fork leg (14).



B62K 25/22

with more than one arm on each fork leg

Definition statement

This place covers:

Wheel suspension comprising more than one lever arm connecting the wheel axle to the frame i.e. with extra linkages, the details being applicable equally to both the front and rear wheel.

B62K 25/24

for front wheel

Definition statement

This place covers:

Wheel suspension comprising more than one lever arm connecting the wheel axle to the frame i.e. with extra linkages, the details being specifically applicable to just the front wheel.

B62K 25/26

for rear wheel

Definition statement

This place covers:

Wheel suspension comprising more than one lever arm connecting the wheel axle to the frame i.e. with extra linkages, the details being specifically applicable to just the rear wheel.

B62K 25/32

the chain-stay forming a chain-guard

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Guards for the chain or belt	B62J 13/00

B62K 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})

Definition statement

This place covers:

Additional wheeled units that can be attached to the side of the cycle (sidecars) or the rear of the cycle (trailers) or the front of the cycle (forecars).

Trailers for carrying other vehicles	B60P
Trailers in general	B62D 63/06
Characterised by trailer carrying propulsion engine	B62M 7/14
Hand carts	B62B

Special rules of classification

All trailers for bicycles are classified in group B62K 27/003 and circulated to B62D 63/06 for trailers in general.

Wheeled units are not always trailers or cars. The wheeled unit, i.e. the platform or frame with a wheel on it, is attached to the side, front or rear. So-called trailers are attached to the rear and are classified in subgroup B62K 27/003 and should also be considered for trailers in general (B62D).

B62K 27/02

Frames

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cycle frames e.g. adaptations or constructional details of the frame	B62K 19/00

B62K 2204/00

Adaptations for driving cycles by electric motor

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Rider propulsion of wheeled vehicles with additional source of power, e.g. combustion engine or electric motor	B62M 6/00