

B62 LAND VEHICLES FOR TRAVELLING OTHERWISE THAN ON RAILS**B62M RIDER PROPULSION OF WHEELED VEHICLES OR SLEDGES; POWERED PROPULSION OF SLEDGES OR CYCLES; TRANSMISSIONS SPECIALLY ADAPTED FOR SUCH VEHICLES** (arrangements or mounting of transmissions in vehicles in general B60K; transmission elements per se F16)

In this subclass, the following term is used with the meaning indicated:

- “transmission” means all parts between the prime mover or the part to which a rider immediately applies propulsive effort, e.g. pedal cranks, and a driven ground wheel.

PROPULSION

Of wheeled vehicles by hand or foot: kinds of mechanisms; construction of propulsion cranks or levers 1/00; 3/00, 5/00

Of single-track vehicles by motor, characterised by position of engine 7/00

Of sledges or the like 27/00

Of wheeled vehicles or sledges, by ground-engaging means not otherwise provided for 29/00

TRANSMISSIONS

Characterised by rigid mechanical parts thereof

chain or belt; toothed or friction wheel; friction roller 9/00; 11/00, 13/00

crankshaft or coupling- rods; rotary shaft 15/00; 17/00

Characterised by non-mechanical or non-rigid parts thereof 19/00, 21/00, 23/00

Gearing speed-change actuators 25/00

Rider propulsion of wheeled vehicles (propulsion by ground-engaging rods B62M 29/02)**1/00 Rider propulsion of wheeled vehicles**

- 1/02 . with rotary cranks, e.g. with pedal cranks (cranks per se B62M 3/00; immobilisable as foot-rests B62M 5/00)
- 1/04 . with reciprocating levers, e.g. foot levers (immobilisable as foot-rests B62M 5/00)
- 1/06 . driving a rotary crankshaft connected to driven axle other than by coupling-rods
- 1/08 . . directly driving a ratchet wheel on driven axle
- 1/10 . involving devices which enable the storing and releasing of energy occasionally, e.g. arrangement of flywheels
- 1/12 . operated both by hand and by foot
- 1/14 . exclusively by hand power (hand cranks per se B62M 3/00)
- 1/16 . . by means of a to-and-fro movable handle-bar
- 1/18 . by movement of rider's saddle
- 1/20 . . with additional rider propulsion means

3/00 Construction of cranks operated by hand or foot

- 3/02 . of adjustable length
- 3/04 . . automatically adjusting
- 3/06 . with elliptical or other non-circular rotary movement
- 3/08 . Pedals
- 3/10 . . All-metal pedals
- 3/12 . . with reflectors
- 3/14 . Hand-grips for hand-operated cranks
- 3/16 . Accessories

5/00 Foot-driven levers as pedal cranks which can be immobilised as foot-rests (immobilising against theft B62H 5/10)

- 7/00 Motorcycles or cycles with auxiliary engines characterised by position of engine** (frames characterised by position of engine B62K 11/00; internal-combustion engines per se F02B; kick-starter mechanisms or the like F02N)
 - 7/02 . with engine between front and rear wheels
 - 7/04 . . below the frame
 - 7/06 . . directly under the saddle or seat
 - 7/08 . with the engine over the rear wheel
 - 7/10 . with the engine over the front wheel
 - 7/12 . with the engine beside or within the driven wheel
 - 7/14 . with the engine on an auxiliary wheeled unit, e.g. trailer, sidecar (trailers B60P, B62D; sidecars B62K 27/00)

Transmissions

- 9/00 Transmissions characterised by use of an endless chain, belt, or the like** (cycle chain guards B62J 13/00)
 - 9/02 . of unchangeable ratio
 - 9/04 . of changeable ratio
 - 9/06 . . using a single chain, belt, or the like
 - 9/08 . . . involving eccentrically-mounted or elliptically-shaped driving or driven wheel; with expandable driving or driven wheel
 - 9/10 . . . involving different-sized wheels selectively engaged by the chain, belt, or the like
 - 9/12 the chain, belt, or the like being laterally shiftable
 - 9/14 the wheels being laterally shiftable
 - 9/16 . Tensioning or adjusting equipment for chains, belts, or the like
- 11/00 Transmissions characterised by use of interengaging toothed wheels or frictionally-engaging wheels** (with roller engaging the periphery of ground wheel B62M 13/00)
 - 11/02 . of unchangeable ratio

B62M

- 11/04 . of changeable ratio
- 11/06 . . with spur gear wheels (B62M 11/14 takes precedence)
- 11/10 . . with bevel gear wheels (B62M 11/14 takes precedence)
- 11/12 . . with frictionally-engaging wheels (B62M 11/14 takes precedence)
- 11/14 . . with planetary gears
- 11/16 . . . built in, or adjacent to, the ground-wheel hub
- 11/18 . . . with a plurality of planetary gear units
- 13/00 Transmissions characterised by use of friction roller engaging the periphery of the ground wheel**
- 13/02 . with changeable ratio, e.g. with roller of varying diameter
- 13/04 . with means for moving roller into driving contact with ground wheel
- 15/00 Transmission characterised by use of crankshafts and coupling-rods**
- 17/00 Transmissions characterised by use of rotary shaft, e.g. cardan shaft**
- 19/00 Transmissions characterised by use of non-mechanical gearing, e.g. fluid gearing**

- 21/00 Transmissions characterised by use of resilient elements therein**
 - 23/00 Transmissions characterised by use of other elements; Other transmissions**
 - 23/02 . characterised by the use of two or more dissimilar sources of power, e.g. engine and pedal
 - 25/00 Actuators for gearing speed-change mechanisms specially adapted for cycles** (rider-operated controls for cycles in general B62K 23/00; gearing speed-change mechanisms F16H)
 - 25/02 . with mechanical transmitting systems, e.g. cables, levers
 - 25/04 . . hand actuated
 - 25/06 . . foot actuated
 - 25/08 . with electrical or fluid transmitting systems
-
- 27/00 Propulsion devices for sledges or the like** (pushed or pulled by persons or animals B62B, B62C; wind propulsion B62B 15/00)
 - 27/02 . power driven
 - 29/00 Ground-engaging propulsion devices for cycles, sledges, or rider-propelled wheeled vehicles, not otherwise provided for**
 - 29/02 . using ground-engaging rods