

CPC COOPERATIVE PATENT CLASSIFICATION

A63H TOYS, e.g. TOPS, DOLLS, HOOPS, BUILDING BLOCKS

WARNING

The following IPC groups are not used in the CPC scheme. Subject matter covered by these groups is classified in the following CPC groups:

A63H 3/33	covered by	A63H 3/28
A63H 17/267	covered by	A63H 17/262
A63H 17/273	covered by	A63H 17/26
A63H 17/385	covered by	A63H 17/36
A63H 17/39	covered by	A63H 17/36
A63H 17/41	covered by	A63H 17/40
A63H 25/00	covered by	A63H 29/16 , A63H 31/00
A63H 25/02	covered by	A63H 29/16 , A63H 31/00
A63H 27/01	covered by	A63H 27/007
A63H 27/127	covered by	A63H 27/12
A63H 27/133	covered by	A63H 27/12
A63H 27/16	covered by	A63H 27/001 , A63H 33/16
A63H 27/18	covered by	A63H 27/00 , A63H 27/02
A63H 27/20	covered by	A63H 27/00
A63H 27/22	covered by	A63H 27/00 , A63H 29/18
A63H 27/24	covered by	A63H 27/02 , A63H 29/00 , A63H 29/22
A63H 27/26	covered by	A63H 27/06
A63H 27/28	covered by	A63H 27/008
A63H 27/30	covered by	A63H 27/02
A63H 27/32	covered by	A63H 27/00

1/00	Tops (flying tops A63H 27/12)	3/005	. . {for use as container (containers B65D)}
1/02	. with detachable winding devices	3/006	. {provided with electrical lighting (electrical lighting F21)}
1/04	. . with string or band winding devices	3/008	. {Dolls capable of simulating pregnancy or birth}
1/06	. with integral winding devices	3/02	. made of fabrics or stuffed
1/08	. with arrangements for winding-up by blowing	3/04	. with deformable framework
1/10	. able to be spun by whirling the axis with both hands	3/06	. Air-filled or inflatable toy figures (connection of valves to inflatable elastic bodies B60C 29/00)
1/12	. Whip tops; Top whips	3/08	. of flat paper to be cut-out, folded, or clothed
1/16	. Hopping, dancing, or curve-drawing tops	3/10	. Flat toy figures provided with limbs, with or without arrangements for making them stand up (A63H 3/08 takes precedence)
1/18	. Double tops; Multiple tops mounted in or on one another	3/12	. Double-faced dolls
1/20	. with figure-like features; with movable objects, especially figures	3/14	. into which the fingers of the hand can be inserted, e.g. hand-puppets
1/22	. Colour tops	3/16	. made of parts that can be put together {(facial parts only A63H 3/365)}
1/24	. with illuminating arrangements	3/18	. Jumping jacks
1/26	. emitting blasts or explosions	3/20	. with parts moved due to movements of other parts, e.g. limbs
1/28	. Musical tops	3/24	. Drinking dolls; Dolls producing tears; Wetting dolls
1/30	. Climbing tops, e.g. Yo-Yo	3/26	. Floating dolls
1/32	. Whirling or spinning discs driven by twisted cords	3/28	. Arrangements of sound-producing means in dolls; Means in dolls for producing sounds

Dolls; Figures; Musical toys

3/00 **Dolls {(puppets or marionettes for shows or theatres [A63J 19/006](#))}**

NOTE

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

– "doll" includes a toy animal

3/001	. {simulating physiological processes, e.g. heartbeat, breathing or fever (with fluid ingestion or emission A63H 3/24)}	3/31	. . Bellows, cylinders or the like for sound production
3/003	. {specially adapted for a particular function not connected with dolls (as electric lighting devices A63H 3/006)}	3/36	. Details; Accessories
		3/365	. . {allowing a choice of facial features, e.g. to change the facial expression (change of expression through animation A63H 3/48 , self-moving A63H 13/005 ; movable eyes A63H 3/40)}
		3/38	. . Dolls' eyes
		3/40	. . . movable

3/42	. . . Manufacture of eyes (artificial eyes for human beings A61F 2/14)	13/00	Toy figures with self-moving parts, with or without movement of the toy as a whole
3/44	. . Dolls' hair or wigs; Eyelashes; Eyebrows (wigs, eyelashes, eyebrows for humans A41G)	13/005	. {with self-moving head or facial features (with a choice of features A63H 3/365 ; movable eyes A63H 3/40)}
3/445	. . . {Eyelashes; Eyebrows}	13/02	. imitating natural actions, e.g. catching a mouse by a cat, the kicking of an animal
3/46	. . Connections for limbs	13/03	. . Egg-laying toy animals
3/48	. . Mounting of parts within dolls, e.g. automatic eyes {or parts for animation (self-moving A63H 13/00)}	13/04	. . Mechanical figures imitating the movement of players or workers
3/50	. . Frames, stands, or wheels for dolls or toy animals	13/045	. . . {imitating surfing}
3/52	. . Dolls' houses, furniture, or other equipment {(simulating liquid flow A63H 33/3022)}; Dolls' clothing (dolls' footwear A43B 3/28)	13/06	. . . imitating boxing or fighting
5/00	Musical or noise- producing devices for additional toy effects other than acoustical (musical tops A63H 1/28 ; {sound-producing dolls A63H 3/28 ; musical toy vehicles A63H 17/268 ; acoustical vehicle-signalling devices A63H 17/32 ; whistling toy locomotive arrangements A63H 19/14 }; music, sound or noise production in general G10)	13/08	. . . able to perform military exercises
5/04	. Pistols or machine guns operated without detonators; Crackers {(cracker bonbons A63H 37/00)}	13/10	. . . shooting arrows or other missiles
7/00	Toy figures led or propelled by the user	13/12	. . . Gymnastic or acrobatic toy figures
7/02	. by pushing or drawing	13/14	. . . Rope-jumping toy figures
7/04	. . moving together with a toy vehicle {or together with wheels rolling on the ground, i.e. driven by vehicle or wheel movement}	13/15	. . . imitating drawing or writing (changeable or secret pictures B44F 1/10)
7/06	. . with feet formed by rotary members	13/16	. Boxes from which figures jump
9/00	Special methods or compositions for the manufacture of dolls, toy animals, toy figures, or parts thereof	13/18	. Toy swinging chairs; Rocking-figure toys
		13/20	. Toy roundabouts with moving figures; Toy models of fairs or the like, with moving figures {(A63H 7/04 takes precedence)}
		15/00	Other gravity-operated toy figures
		15/02	. Figures staggering down an inclined path by means of the gravity effect
		15/04	. Toy figures swinging about a point above the centre of gravity
		15/06	. Self-righting toys
		15/08	. Tumbling toy figures operated by balls enclosed therein
		Toy vehicles; Toy engines	
		17/00	Toy vehicles, e.g. with self-drive; {(convertible into other toys A63H 33/003); Cranes, winches or the like;} Accessories therefor (traffic games with figures moved by players A63F 9/14)
		17/002	. {made of parts to be assembled}
		17/004	. {Stunt-cars, e.g. lifting front wheels, roll-over or invertible cars}
		17/006	. {Missile-launching means on toy vehicles}
		17/008	. {Launching devices for motorless toy vehicles (start mechanisms for trackways A63H 18/026 ; for toy aircraft A63H 27/14)}
		17/02	. convertible into other forms under the action of impact or shock, e.g. arrangements for imitating accidents
		17/045	. shaped as armoured cars, tanks or the like
		17/05	. Trucks; Lorries
		2017/055	. . {for agricultural use}
		17/06	. . with tipping bodies
		17/08	. . carrying a mechanically-raised ladder
		17/10	. . carrying a tank for transporting liquids
		17/12	. with cranes, winches or the like
		17/14	. Endless-track automobiles or trucks
		17/16	. in the form of a bicycle, with or without riders thereon
		17/18	. Tricycles, e.g. with moving figures
		17/21	. shaped as motorcycles with or without figures
		17/22	. Scooters with driver figure propelled by their wheels or by movement of the figure
Mechanically or gravity driven toy figures			
11/00	Self-movable toy figures		
11/02	. moved by vibrations produced by rotating eccentric weights		
11/04	. Climbing figures moving up-and-down		
11/06	. Jumping toys		
11/08	. Toys performing somersaults		
11/10	. Figure toys with single- or multiple-axle undercarriages, by which the figures perform a realistic running motion when the toy is moving over the floor		
11/12	. . Wheeled toys with figures performing a wriggling motion when moving		
11/14	. Mechanically-moved walking figures balanced by gyrostatic effects		
2011/16	. {Toy animals with pairs of legs performing turtle-like motions}		
11/18	. Figure toys which perform a realistic walking motion		
11/20	. . with pairs of legs, e.g. horses		
	WARNING		
	New group A63H 11/20 introduced in November 2005 is not complete. Documents from A63H 11/18 are in the process of being reorganised to the new group		
11/205	. . . {performing turtle-like motion}		

17/24	shaped as sledges, sleighs, or bobsleighs with or without figures	19/00	Model railways (propulsion by special interaction between vehicle and track A63H 18/00)
17/25	Other wheeled vehicles with moving figures {(toy figures moving together with toy vehicles, led or propelled by the user, A63H 7/04 ; self-movable toy figures driven by wheeled undercarriages A63H 11/10)}	19/02	Locomotives; Motor coaches
17/26	Details; Accessories (drive mechanisms A63H 29/00)	19/04	spring-driven
17/262	{Chassis; Wheel mountings; Wheels; Axles; Suspensions; Fitting body portions to chassis}	19/06	Steam-driven locomotives; Engines therefor
17/264	{Coupling mechanisms (for model railway vehicles A63H 19/18)}	19/08	Boilers for locomotives
17/266	{Movable parts other than toy figures, driven by the wheels}	19/10	electrically driven
17/268	{Musical toy vehicles}	19/12	with electric reversing gear
17/28	Electric lighting systems	19/14	Arrangements for imitating locomotive features, e.g. whistling, signalling, puffing
17/30	Direction-indicators	19/15	Special types of cars
17/32	Acoustical or optical signalling devices	19/16	Parts for model railway vehicles
17/34	Arrangements for imitating the noise of motors	19/18	Car coupling or uncoupling mechanisms
17/36	Steering-mechanisms for toy vehicles	19/20	Illuminating arrangements
17/38	actuated by hand	19/22	Wheels; Wheel axles; Bogies
17/395	steered by program	19/24	Electric toy railways; Systems therefor
17/40	Toy vehicles automatically steering or reversing by collision with an obstacle	2019/243	{Anti-collision systems}
17/42	Automatic stopping or braking arrangements	2019/246	{Remote controls}
17/44	Toy garages for receiving toy vehicles; Filling stations	19/26	Toy vehicles with overhead trolley-wire; Trolley-buses
18/00	Highways or trackways for toys (railway permanent way A63H 19/30; for special railways A63H 21/00); Propulsion by special interaction between vehicle and track	19/28	Mechanical toy railway systems
18/002	{Air-actuated track systems, e.g. with air cushion}	19/30	Permanent way; Rails; Rail-joint connections
18/005	{Accessories for indicating the winner of a race, e.g. lap counters, speed indicators}	19/32	Switches or points; Operating means therefor
18/007	{Vehicles moved by vibration}	19/34	Bridges; Stations; Signalling systems
18/02	Construction or arrangement of the trackway	19/36	Model railway structures, e.g. kinds of arrangement of several units in containers, or on plates, or in combination with scenics for toy purposes (models or scenery for general purposes G09B)
18/021	{Flexible tracks; Fluid-pressure-actuated tracks}	2019/365	{Devices for putting or removing vehicles on or from the rails, e.g. ramps}
18/023	{Track control means, e.g. switches (A63H 18/025 takes precedence)}	21/00	Other toy railways
18/025	{Actuation of track parts by the vehicle}	21/02	with cable- or rail-suspended vehicles
18/026	{Start-finish mechanisms; Stop arrangements; Traffic lights; Barriers, or the like (A63H 18/025 takes precedence)}	21/04	Mono-railways, e.g. with vehicles embracing the rail in the form of a saddle (A63H 21/02 takes precedence)
18/028	{Looping; Jumping; Tilt-track sections}	23/00	Toy boats; Floating toys; Other aquatic toy devices
18/04	Up-and-down-hill trackways (A63H 18/06 takes precedence)	23/005	{made of parts to be assembled}
18/06	designed to cause movement of a vehicle by alteration of the inclination of part of the trackway	23/02	Boats; Sailing boats
18/08	with mechanical means for guiding or steering	23/04	Self-propelled boats, ships or submarines
18/10	with magnetic means for steering	23/06	jet-propelled
18/12	Electric current supply to toy vehicles through the track	23/08	Cartesian or other divers
18/14	Drives arranged in the track, e.g. endless conveying means, magnets, driving-discs	23/10	Other water toys, floating toys, or like buoyant toys
18/16	Control of vehicle drives by interaction between vehicle and track; Control of track elements by vehicles	23/12	Waterborne toy projectiles; Knock-apart toys; Exploding ship toys
2018/165	{Means to improve adhesion of the vehicles on the track, e.g. using magnetic forces}	23/14	Special drives
		23/16	Aquatic toy installations; Harbour arrangements
		27/00	Toy aircraft; Other flying toys (toys with parachutes A63H 33/20); {Starting or launching devices therefor}
		27/001	{Making or assembling thereof, e.g. by folding}
		27/002	{Means for manipulating kites or other captive flying toys, e.g. kite-reels (reels in general B65H 75/00)}
		27/004	{Means for launching objects from aircraft, e.g. pilot, missiles}
		27/005	{Rockets; Missiles}
		27/007	{Collapsible wings, e.g. for catapult aeroplanes}
		27/008	{Propelled by flapping of wings (driving mechanisms with extensible rubber bands for toys in general A63H 29/18)}
		27/02	{Model aircraft}

- 27/04 . Captive toy aircraft
- 27/06 . {Jet-propelled flying toys, e.g. aeroplanes
(A63H 27/04, A63H 27/12 take precedence)}
- 27/08 . Kites {(other than toy aspects B64C 31/06)}
- 27/082 . . {Rotary kites; Kites provided with rotary parts}
- 27/085 . . {Inflatable kites}
- 27/087 . . {Means for launching objects along the kite
string, e.g. with parachutes}
- 27/10 . Balloons (connection of valves to inflatable
elastic bodies B60C 29/00; {other than toy aspects
B64B 1/40})
- 2027/1008 . . {Anchoring means or weights}
- 2027/1016 . . {combined with candy or other food items}
- 2027/1025 . . {Fabrication methods or special materials
therefor}
- 2027/1033 . . {Inflation devices or methods for inflating
balloons}
- 2027/1041 . . {Holding or sealing means, e.g. handling rods,
clamps or plugs}
- 2027/105 . . {Knotting means}
- 2027/1058 . . {associated with light or sound}
- 2027/1066 . . {Having means to guide movement, e.g. propeller
or wings}
- 2027/1075 . . {Special shapes or constructions (for aircraft type
balloons A63H 2027/1066)}
- 2027/1083 . . {Valves or nozzles}
- 2027/1091 . . {with object inserted within; Means or methods
for insertion of objects}
- 27/12 . {Helicopters (A63H 27/04 takes precedence);
Flying tops}
- 27/14 . Starting or launching devices for toy aircraft;
Arrangements on toy aircraft for starting or
launching {(for launching objects from an aircraft
A63H 27/004)}

Driving or controlling toys, e.g. toy vehicles

- 29/00 Drive mechanisms for toys in general**
- 29/02 . Clockwork mechanisms
- 29/04 . . Helical-spring driving mechanisms
- 29/06 . . Other elements therefor
- 29/08 . Driving mechanisms actuated by balls or weights
- 29/10 . Driving mechanisms actuated by flowing media
- 29/12 . . by a sand stream
- 29/14 . . by a water stream
- 29/16 . . by steam or compressed air
- 29/165 . . . {jet-propelled}
- 29/18 . Driving mechanisms with extensible rubber bands
- 29/20 . Flywheel driving mechanisms
- 29/22 . Electric drives (power supply through track
A63H 18/12)
- 29/24 . Details or accessories for drive mechanisms, e.g.
means for winding-up or starting toy engines
- 30/00 Remote-control arrangements specially adapted
for toys, e.g. for toy vehicles (steering mechanisms
for toy vehicles A63H 17/36; for model railways
A63H 19/24, A63H 19/28)**
- 30/02 . Electrical arrangements (transformers H01F;
converters H02M)
- 30/04 . . using wireless transmission
- 30/06 . Hydraulic or pneumatic arrangements
- 31/00 Gearing for toys (gearing in general F16H)**
- 31/02 . Screw-spindle mechanisms

- 31/04 . Friction mechanisms
- 31/06 . Belt or string gear
- 31/08 . Gear-control mechanisms; Gears for imparting a
reciprocating motion
- 31/10 . Gearing mechanisms actuated by movable wires
enclosed in flexible tubes
- 33/00 Other toys**
- 33/001 . {Toy-moulding appliances; Toy moulding}
- 33/002 . {Devices for converting reciprocal or vibratory
motion into rotary motion, e.g. for propellers}
- 33/003 . {Convertible toys, e.g. robots convertible into
rockets or vehicles convertible into planes}
- 33/004 . . {made of fabrics or stuffed}
- 33/005 . {Motorised rolling toys}
- 33/006 . {Infant exercisers, e.g. for attachment to a crib}
- 33/007 . {Push or pull wheels, e.g. with movable parts other
than toy figures driven by the wheels (A63H 33/02
takes precedence; for driving movable toy figures
A63H 7/04)}
- 33/008 . {Playhouses, play-tents, big enough for playing
inside}
- 33/009 . {Toy swords or similar toy weapons; Toy shields}
- 33/02 . Toy hoops, {i.e. rings to be rolled by separate
sticks}; Sticks for propelling
- 33/04 . Building blocks, strips, or similar building parts
- 33/042 . . {Mechanical, electrical, optical, pneumatic or
hydraulic arrangements; Motors}
- 33/044 . . {Buildings}
- 33/046 . . {comprising magnetic interaction means, e.g.
holding together by magnetic attraction}
- 33/048 . . {to be assembled using hook and loop-type
fastener or the like}
- 33/06 . . to be assembled without the use of additional
elements
- 33/062 . . . {with clip or snap mechanisms}
- 33/065 . . . {using elastic deformation (A63H 33/062 takes
precedence)}
- 33/067 . . . {with rotation or translation, e.g. of keyhole or
bayonet type}
- 33/08 . . . provided with complementary holes, grooves,
or protuberances, e.g. dovetails
- 33/082 {with dovetails}
- 33/084 {with grooves (dovetails A63H 33/082)}
- 33/086 {with primary projections fitting by friction
in complementary spaces between secondary
projections, e.g. sidewalls}
- 33/088 {with holes (A63H 33/062, A63H 33/065
take precedence)}
- 33/10 . . to be assembled by means of additional non-
adhesive elements
- 33/101 . . . {with clip or snap mechanism}
- 33/102 . . . {using elastic deformation (A63H 33/101 takes
precedence)}
- 33/103 . . . {with wires, springs, suction cups, telescopic
elements}
- 33/105 . . . {with grooves, e.g. dovetails}
- 33/106 . . . {with rotation, e.g. of bayonet type}
- 33/107 . . . {using screws, bolts, nails, rivets, clamps}
- 33/108 . . . {with holes (A63H 33/101, A63H 33/102 and
A63H 33/107 take precedence)}
- 33/12 . . . Perforated strips or the like assembled by rods,
bolts, or the like

- 33/14 . . specially adapted to be assembled by adhesive or cement
- 33/16 . Models made by folding paper
- 33/18 . Throwing or slinging toys, {e.g. [flying disc toys](#) (discs used in athletics [A63B 65/10](#))} (as part of a game [A63F 9/02](#); sling weapons [F41B 3/00](#); spring toy guns [F41B 7/08](#))
- 33/185 . . {Aerial toy rotating automatically when descending under gravity}
- 33/20 . Toys with parachutes; Toy parachutes {([A63H 27/004](#), [A63H 27/005](#), and [A63H 27/087](#) take precedence; parachutes for aeronautics [B64D 17/00](#))}
- 33/22 . Optical, colour, or shadow toys ({puzzles with optical elements [A63F 9/0613](#)}; kaleidoscopes [G02B 27/08](#))
- 33/26 . Magnetic or electric toys (electric drives [A63H 29/22](#); {indoor games played with small balls using magnetic power [A63F 7/0088](#), [A63F 7/068](#)})
- 33/28 . Soap-bubble toys; Smoke toys (blowing smoke rings [A24F 13/30](#))
- 33/30 . Imitations of miscellaneous apparatus not otherwise provided for, e.g. telephones, weighing-machines, cash-registers (savings boxes [A45C 1/12](#); toy ticket punches [G07B 9/02](#))
- 33/3005 . . {Cash-registers}
- 33/3011 . . {Weighing-machines}
- 33/3016 . . {Telephones}
- 33/3022 . . {simulating liquid flow, e.g. nursing bottles (drinking, weeping, wetting dolls [A63H 3/24](#))}
- 33/3027 . . {Radio or television sets}
- 33/3033 . . {simulating driving; Accessories therefor, e.g. steering wheels}
- 33/3038 . . {Baths; Showers}
- 33/3044 . . {Loading stations, e.g. with conveyors, elevators, cranes (cranes, winches or the like *per se* [A63H 17/12](#))}
- 33/305 . . {Vacuum-cleaners}
- 33/3055 . . {Ovens, or other cooking means}
- 33/3061 . . {Washing-machines}
- 33/3066 . . {Watches or clocks}
- 33/3072 . . {Tools or machine-tools}
- 33/3077 . . {Typewriters}
- 33/3083 . . {Printing machinery}
- 33/3088 . . {Textile-machines (toy looms [D03D 29/00](#))}
- 33/3094 . . {Doctors' instruments}
- 33/32 . Moulds, shapes, spades, or the like, for playing with sand
- 33/36 . Sparking toys
- 33/38 . Picture books with additional toy effects, e.g. pop-up or slide displays (picture books [B42D 1/00](#))
- 33/40 . Windmills; Other toys actuated by air currents (driving mechanisms for toy figures or vehicles [A63H 29/16](#))
- 33/42 . Toy models or toy scenery not otherwise covered (models or scenery for general purposes [G09B](#))
- 33/425 . . {Toy space systems, e.g. satellites, space ships}
- 37/00 Jokes; Confetti, streamers, or other dance favours; {Cracker bonbons or the like}**
- 37/005 . {Popper toys, i.e. disc-shaped toys which jump when snapping to their original shape after distortion}

2200/00 Computerized interactive toys, e.g. dolls