CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

TRANSPORTING

B60 VEHICLES IN GENERAL

(NOTE omitted)

B60B VEHICLE WHEELS (making wheels or wheel parts by rolling <u>B21H 1/00</u>, by forging,

hammering or pressing <u>B21K 1/28</u>); CASTORS; AXLES FOR WHEELS OR CASTORS;

INCREASING WHEEL ADHESION

NOTE

Attention is drawn to the Explanatory Note following the class title (B60)

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.

or wheel parts	els for roller skates A63C 17/22; making wheels is B21D 53/26; by rolling B21H 1/00; by forging, or pressing B21K 1/28)	1/045 1/046	 {characterised by their specific shape} {characterised by adaptations of the nipple for tightening tools}
1/00	Spoked wheels; Spokes thereof (non-metallic <u>B60B 5/00</u> {; spoked wheels comprising rail-engaging elements <u>B60B 17/001</u> ; making wheel spokes <u>B21F 39/00</u> })	1/047 1/048 1/06	 {the nipple comprising sealing means} {by the use of screws} . Wheels with compression spokes (wheels of high resiliency <u>B60B 9/00</u>)
1/003	• {specially adapted for bicycles (<u>B60B 1/041</u> takes precedence)}	1/08 1/10	 formed by casting fabricated by sheet metal (<u>B60B 1/12</u>, <u>B60B 3/08</u>
1/006	• {specially adapted for light-weight wheels, e.g. of strollers or wheel-chairs (<u>B60B 1/003</u> takes precedence)}	1/12 1/14	 take precedence) with tubular spokes (<u>B60B 1/08</u> takes precedence) Attaching spokes to rim or hub
1/02	• Wheels with wire or other tension spokes		
1/0207 1/0215 1/0223 1/023 1/0238 1/0246 1/0253 1/0261 1/0269	 (characterised by non-standard number of spokes, i.e. less than 12 or more than 32 spokes} (characterised by specific grouping of spokes} (the dominant aspect being the spoke arrangement pattern) (multiple exclusively parallel spokes arranged in a group) (the dominant aspect being the number of spokes per group) (characterised by cross-section of the spoke, e.g. polygon or elliptic shape) (the spoke being hollow) (characterised by spoke form) (the spoke being curved or deformed over substantial part of length) 	3/001 3/002 3/004 3/005 3/007 3/008 3/02 3/04	Disc wheels, i.e. wheels with load-supporting disc body (non- metallic B60B 5/00; wheel cover discs B60B 7/00 {; disc wheels comprising rail-engaging elements B60B 17/0006}) • {Lightweight wheels, e.g. for strollers or toys} • {characterised by the shape of the disc} • {in the hub section} • {in the section adjacent to rim} • {in the intermediate section} • with a single disc body integral with rim • with a single disc body not integral with rim {, i.e. disc body and rim being manufactured independently and then permanently attached to each other in a second step, e.g. by welding}
1/0276	• • • {the spoke being crooked in the middle and having double length}	3/041	• • {characterised by the attachment of rim to wheel disc}
1/0284	• • • {the spoke being threaded at both ends}	3/042	• • • {characterised by circumferential position of
1/0292	• • {the spoke being bent at both ends}		attachment means}
1/04 1/041	Attaching spokes to rim or hub Of bicycle wheels (bicycle rims characterised Attaching spokes to rim or hub	3/044	• • { characterised by cross-sectional details of the attachment, e.g. the profile}
1/042	by means for attaching spokes <u>B60B 21/062</u>)}	3/045	• • • {characterised by the attachment portions}
1/042 1/043	 {Attaching spokes to hub} {Attaching spokes to rim}	3/047	• • • • (comprising specific torque transmitting
1/043	{Attaching spokes to him} {by the use of spoke nipples}		means}

Wheels B60B

3/048	• • {the rim being rotatably mounted to the wheel disc}	7/04	 built-up of several main parts (<u>B60B 7/01</u>, <u>B60B 7/20</u> take precedence)
3/06	formed by casting	7/06	• Fastening arrangements therefor (B60B 7/01, B60B 7/20 take precedence)
3/08	 with disc body formed by two or more axially spaced discs {(comprising rail-engaging elements 	7/061	• • {characterised by the part of the wheels to which
	formed by two or more axially spaced discs		the discs, rings or the like are mounted}
	<u>B60B 17/0013</u>)}	7/063	• • • {to the rim}
3/082	• • {especially for light-weight wheels}	7/065	• • • {to the disc}
3/085	• • {Discs having no mutual contact}	7/066	• • {to the hub}
3/087	• • {Discs having several mutual contact regions}	7/068	• • • {to the wheel bolts or wheel nuts}
3/10 3/12	apertured to simulate spoked wheelsMeans of reinforcing disc bodies	7/08	 having gripping elements consisting of formations integral with the cover
3/12	 Attaching disc body to hub (resiliently <u>B60B 9/00</u>; 	7/10	comprising a plurality of spaced spring clips
3/14	attaching rim to wheel body <u>B60B 23/00</u>){; Wheel adapters}	7/10	individually mounted on the cover, e.g. riveted, welded or readily releasable
3/142	• {by central locking nut}	7/105	• • • {the spring clip mounted on the rim}
3/145	. {by central focking nut}. {using washers or distance bushes}	7/103	comprising an annular spring or gripping
3/147	. {using wheel adapters}	7/12	element mounted on the cover (B60B 7/08 takes
3/16	 by bolts or the like 		precedence)
3/165	• • { with locking devices for the fixing means, e.g.	7/14	comprising screw-threaded means
	screw or nut covers}	7/16	Anti-theft devices
3/18	by circlips or the like	7/18	 simulating spoked or wire wheel
5/00	Wheels, spokes, disc bodies, rims, hubs, wholly	7/20	 having an element mounted for rotation
3/00	or predominantly made of non-metallic material		independently of wheel rotation
	(wheel cover discs <u>B60B 7/00</u> ; wheels of high	9/00	Wheels of high resiliency {, e.g. with conical
	resiliency <u>B60B 9/00</u> {; wheel bodies comprising		interacting pressure-surfaces (resilient wheels
	rail-engaging elements characterised by use of non-		comprising rail-engaging elements <u>B60B 17/0027</u>)}
	metallic material <u>B60B 17/0003</u> })	9/005	• {Comprising a resilient hub (hubs <u>per se</u>
5/02	 made of synthetic material 		<u>B60B 27/00</u>)}
5/04 7/00	made of woodWheel cover discs, rings, or the like, for	9/02	 using springs {resiliently mounted bicycle rims}(wheels comprising resilient spokes
7700	ornamenting, protecting {, venting,} or obscuring,	0.40.4	<u>B60B 9/26</u>)
	wholly or in part, the wheel body, rim, hub, or	9/04	in leaf form
	tyre sidewall {, e.g. wheel cover discs, wheel cover	9/06	in helical form
	discs with cooling fins (wheels with cooling fins	9/08	. in flat coiled form
	not provided on the wheel cover disc <u>B60B 19/10</u> ;	9/10 9/12	of rubber or the like
	apparatus or tools for removing or attaching cover	9/12	in the form of sleeves or rings concentric with the wheel axis
7/0006	discs hub caps or the like <u>B60B 31/06</u>)} . {for cycle wheels or similar}	9/14	• • • with means limiting relative lateral movements
7/0003	• {Hub caps}		between hub and remainder of wheel
7/0013	. {Hot caps /. {being of the ventilated type}	9/16	modified to ensure electric conductivity
7/0026	• {characterised by the surface}	9/18	• using fluid (within spokes <u>B60B 9/26</u>)
7/0033	• {the dominant aspect being the surface	9/20	in rings concentric with wheel axis
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	appearance}	9/22	inflatable
7/004	{the surface being painted}	9/24	 with pistons and cylinders
7/0046	• • • {the surface being plated or coated}	9/26	 comprising resilient spokes
7/0053	• • • {the surface being decorated}	9/28	with telescopic action
7/006	• • • { the surface being reflective or including lighting }	11/00	Units comprising multiple wheels arranged side by side; Wheels having more than one rim or capable
7/0066	• • {the dominant aspect being the surface structure}		of carrying more than one tyre
7/0073	• • • {being completely closed, i.e. having no cooling openings for the brakes}	11/02	 Units of separate wheels mounted for independent or coupled rotation
7/008	• • • {having decorative holes or openings, i.e. openings going beyond mere cooling openings}	11/04	Wheels with a rim capable of carrying more than one tyre
7/0086	• • {having cooling fins}	11/06	• Wheels with more than one rim mounted on a single
7/0093	• {being reinforced against thermal deformation}		wheel body
7/01	 Rings specially adapted for covering only the wheel rim or the tyre sidewall, e.g. removable tyre 	11/08	 Arrangements of balancing mechanisms enabling a uniform distribution of load to tyres
	sidewall trim rings	11/10	• Emergency wheels (collapsible tyres <u>B60C 3/08;</u>
7/02	• made essentially in one part ({B60B 7/0006,} B60B 7/01 take precedence)		tyres characterised by means enabling restricted operation in damaged or deflated condition B60C 17/00)

Wheels B60B

15/00	Wheels or wheel attachments designed for increasing traction (vehicle tires <u>B60C</u> ; non-skid	17/0075	• • {the flange being movable, for adaptation to variable rail or track widths}
	devices temporarily attachable to resilient tires or	17/0079	• {the flange having a guide wheel}
15/02	resiliently-tired wheels <u>B60C</u>)	17/0082	• {Wheels designed to interact with a particular rail
15/02	• Wheels with spade lugs	17/0006	profile}
15/021	• • {made of resilient material}	17/0086	 {H-type rail profiles, i.e. the wheels are arranged between upper and lower rail extensions}
15/023	• • {being of the broad form type}	17/0020	
15/025	• • { with non-cylindrical shape }	17/0089	{Circular rail profiles}
15/026	{characterised by mud deposit prevention}	17/0093	. {Rectangular rail profiles}. {Triangular rail profiles}
15/028	• • {characterised by active rotation of the lugs}	17/0096	
15/04	• with resiliently-mounted spade lugs	17/02	• with elastic tyres
15/06	• with pivotally-mounted spade lugs	19/00	Wheels not otherwise provided for or having
15/08	• with spade lugs axially displaced relatively to the tread surface of the tire		characteristics specified in one of the subgroups of this group
15/10	with radially-adjustable spade lugs; Control	19/003	• {Multidirectional wheels}
	mechanisms therefor	19/006	• {Magnetic wheels}
15/12	involving cams or eccentric hoops	19/02	• convertible, e.g. from road wheel to rail wheel;
15/14	involving an axially-displaceable cone		Wheels specially designed for alternative use on
15/16	involving gearing, e.g. gear pinions acting upon		road and rail
15/10	threaded shafts on the spade lugs	19/04	• expansible
15/18	• Wheels with ground-engaging plate-like shoes	19/06	 with compartments for fluid, packing or loading
15/20	• with resiliently-mounted shoes, e.g. on a spider		material; Buoyant wheels
15/22	• connected by links to the hub	19/08	 with lubricating passages, channels, or reservoirs
15/24	 Tread bands or rings for fairing lugs when travelling on the road 	19/10	 with cooling fins
15/26		19/12	• Roller-type wheels (<u>B60B 19/06</u> takes precedence)
15/26	Auxiliary wheels or rings with traction-increasing surface attachable to the main wheel body	19/125	• • {with helical projections on radial outer surface translating rotation of wheel into movement along
15/263	 {Traction increasing surface being located axially beside tire} 	19/14	the direction of the wheel axle} Ball-type wheels (<u>B60B 19/06</u> takes precedence)
15/266	• • {Traction increasing surface being located radially outside tire circumferential surface}	Rims; Hubs	. Ball-type wheels (Boob 15700) takes precedence)
15/28	Wheel-ballasting weights; Their attachment	Kiiis, Hubs	
	• Wheel-banasing weights. Then attachment		
		21/00	Rims (non-metallic <u>B60B 5/00</u> ; of high resiliency
17/00	Wheels characterised by rail-engaging elements ({wheel-axle combinations <u>B60B 37/00;</u> } of model railways <u>A63H 19/22</u>)	21/00	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body
	Wheels characterised by rail-engaging elements ({wheel-axle combinations <u>B60B 37/00;</u> } of model railways <u>A63H 19/22</u>) . {Wheel bodies characterised by use of non-metallic	21/00	B60B 9/00; capable of carrying more than one tyre
17/00 17/0003	Wheels characterised by rail-engaging elements ({wheel-axle combinations <u>B60B 37/00;</u> } of model railways <u>A63H 19/22</u>) • {Wheel bodies characterised by use of non-metallic material (<u>B60B 17/0034</u> takes precedence)}	21/02	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section
17/00	Wheels characterised by rail-engaging elements ({wheel-axle combinations <u>B60B 37/00;</u> } of model railways <u>A63H 19/22</u>) . {Wheel bodies characterised by use of non-metallic		<u>B60B 9/00</u> ; capable of carrying more than one tyre <u>B60B 11/04</u> ; multiple rims on a single wheel body <u>B60B 11/06</u> ; of multi-part type <u>B60B 25/00</u> ; metal tyres <u>B60C</u>)
17/00 17/0003	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) • {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} • {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} • {Spoked wheels; Spokes thereof}	21/02	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section with inwardly directed flanges, i.e. the tyre-seat
17/00 17/0003 17/0006	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) • {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} • {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} • {Spoked wheels; Spokes thereof} • {formed by two or more axially spaced discs}	21/02 21/021	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) • characterised by transverse section • {with inwardly directed flanges, i.e. the tyre-seat being reversed}
17/00 17/0003 17/0006 17/001	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) • {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} • {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} • {Spoked wheels; Spokes thereof}	21/02 21/021 21/023	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section with inwardly directed flanges, i.e. the tyre-seat being reversed} the transverse section being non-symmetrical
17/00 17/0003 17/0006 17/001 17/0013	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) • {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} • {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} • • {Spoked wheels; Spokes thereof} • • {formed by two or more axially spaced discs} • • {with insonorisation means} • {with counter-balance}	21/02 21/021 21/023 21/025	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section with inwardly directed flanges, i.e. the tyre-seat being reversed tyres general tyres gener
17/00 17/0003 17/0006 17/001 17/0013 17/0017	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) . {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} . {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} {Spoked wheels; Spokes thereof} {formed by two or more axially spaced discs} {with insonorisation means} {with counter-balance} {with noise reducing means (B60B 17/0017 takes	21/02 21/021 21/023 21/025 21/026	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section with inwardly directed flanges, i.e. the tyre-seat being reversed} fthe transverse section being non-symmetrical fthe transverse section being hollow fthe shape of rim well
17/00 17/0003 17/0006 17/001 17/0013 17/0017 17/002	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) • {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} • {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} • • {Spoked wheels; Spokes thereof} • • {formed by two or more axially spaced discs} • • {with insonorisation means} • {with counter-balance}	21/02 21/021 21/023 21/025 21/026 21/028	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section with inwardly directed flanges, i.e. the tyre-seat being reversed} fthe transverse section being non-symmetrical fthe transverse section being hollow fthe shape of rim well fthe shape of hump
17/00 17/0003 17/0006 17/001 17/0013 17/0017 17/002 17/0024	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) • {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} • {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} • {Spoked wheels; Spokes thereof} • • {formed by two or more axially spaced discs} • • {with insonorisation means} • • {with counter-balance} • • {with noise reducing means (B60B 17/0017 takes precedence)} • {Resilient wheels, e.g. resilient hubs (B60B 17/02 takes precedence)}	21/02 21/021 21/023 21/025 21/026 21/028	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section with inwardly directed flanges, i.e. the tyre-seat being reversed} the transverse section being non-symmetrical} the transverse section being hollow} the shape of rim well} the shape of hump} with substantially radial flanges (with rail- engaging flanges B60B 17/00) \{(B60B 21/021)
17/00 17/0003 17/0006 17/001 17/0013 17/0017 17/002 17/0024 17/0027	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) · {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} · {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} · {Spoked wheels; Spokes thereof} · {formed by two or more axially spaced discs} · · {with insonorisation means} · {with counter-balance} · {with noise reducing means (B60B 17/0017 takes precedence)} · {Resilient wheels, e.g. resilient hubs (B60B 17/02 takes precedence)} · {using springs}	21/02 21/021 21/023 21/025 21/026 21/028 21/04	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) • characterised by transverse section • {with inwardly directed flanges, i.e. the tyre-seat being reversed} • {the transverse section being non-symmetrical} • {the transverse section being hollow} • {the shape of rim well} • {the shape of hump} • with substantially radial flanges (with rail- engaging flanges B60B 17/00) {(B60B 21/021) takes precedence)} • characterised by means for attaching spokes {, i.e. spoke seats}
17/00 17/0003 17/0006 17/001 17/0013 17/0017 17/002 17/0024 17/0027 17/0031 17/0034	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) · {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} · {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} · . {Spoked wheels; Spokes thereof} · . {formed by two or more axially spaced discs} · . · {with insonorisation means} · . {with counter-balance} · . {with noise reducing means (B60B 17/0017 takes precedence)} · {Resilient wheels, e.g. resilient hubs (B60B 17/02 takes precedence)} · . {using springs} · . · {of rubber or other non-metallic material}	21/02 21/021 21/023 21/025 21/026 21/028 21/04	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) • characterised by transverse section • {with inwardly directed flanges, i.e. the tyre-seat being reversed} • {the transverse section being non-symmetrical} • {the transverse section being hollow} • {the shape of rim well} • {the shape of hump} • with substantially radial flanges (with rail- engaging flanges B60B 17/00){(B60B 21/021 takes precedence)} • characterised by means for attaching spokes {, i.e. spoke seats} • {for bicycles}
17/00 17/0003 17/0006 17/001 17/0013 17/0017 17/002 17/0024 17/0027 17/0031 17/0034 17/0037	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) · {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} · {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} · . {Spoked wheels; Spokes thereof} · . {formed by two or more axially spaced discs} · . {with insonorisation means} · . {with counter-balance} · . {with noise reducing means (B60B 17/0017 takes precedence)} · {Resilient wheels, e.g. resilient hubs (B60B 17/02 takes precedence)} · . {using springs} · . {of circular or elliptical cross section}	21/02 21/021 21/023 21/025 21/026 21/028 21/04	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section (with inwardly directed flanges, i.e. the tyre-seat being reversed} (fthe transverse section being non-symmetrical} (the transverse section being hollow} (the shape of rim well} (the shape of hump} with substantially radial flanges (with rail- engaging flanges B60B 17/00){(B60B 21/021 takes precedence)} characterised by means for attaching spokes {, i.e. spoke seats} (for bicycles} (characterised by shape of spoke mounting holes,
17/00 17/0003 17/0006 17/001 17/0013 17/0017 17/002 17/0024 17/0027 17/0031 17/0034 17/0037 17/0041	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) · {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} · {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} · . {Spoked wheels; Spokes thereof} · . {formed by two or more axially spaced discs} · . {with insonorisation means} · . {with counter-balance} · . {with noise reducing means (B60B 17/0017 takes precedence)} · {Resilient wheels, e.g. resilient hubs (B60B 17/02 takes precedence)} · . {using springs} · . {of rubber or other non-metallic material} · {of substantially rectangular cross section}	21/02 21/021 21/023 21/025 21/026 21/028 21/04 21/06 21/062 21/064	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section fether transverse section being non-symmetrical fether transverse section being non-symmetrical fether transverse section being hollow fether transverse section being hollow fether shape of rim well with substantially radial flanges (with rail-engaging flanges B60B 17/00) {(B60B 21/021 takes precedence)} characterised by means for attaching spokes {, i.e. spoke seats} for bicycles for bicycles for attaching spoke mounting holes, e.g. elliptical or triangular
17/00 17/0003 17/0006 17/001 17/0013 17/0017 17/002 17/0024 17/0027 17/0031 17/0037 17/0041 17/0044	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) . {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} . {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} . {Spoked wheels; Spokes thereof} . {formed by two or more axially spaced discs} {with insonorisation means} . {with counter-balance} . {with noise reducing means (B60B 17/0017 takes precedence)} . {Resilient wheels, e.g. resilient hubs (B60B 17/02 takes precedence)} . {using springs} {of rubber or other non-metallic material} {of substantially rectangular cross section} {single element arranged in V-form}	21/02 21/021 21/023 21/025 21/026 21/028 21/04 21/06	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section fethe transverse section being non-symmetrical fethe transverse section being non-symmetrical fethe transverse section being hollow fethe shape of rim well with substantially radial flanges (with rail-engaging flanges B60B 17/00) {(B60B 21/021 takes precedence)} characterised by means for attaching spokes {, i.e. spoke seats} for bicycles for bicycles for attaching holes, e.g. elliptical or triangular the spoke mounting means being located on
17/00 17/0003 17/0006 17/001 17/0013 17/0017 17/002 17/0024 17/0027 17/0031 17/0034 17/0037 17/0041 17/0044 17/0048	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) . {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} . {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} . {Spoked wheels; Spokes thereof} . {formed by two or more axially spaced discs} {with insonorisation means} . {with counter-balance} . {with noise reducing means (B60B 17/0017 takes precedence)} . {Resilient wheels, e.g. resilient hubs (B60B 17/02 takes precedence)} . {of rubber or other non-metallic material} {of circular or elliptical cross section} {of substantially rectangular cross section} {single element arranged in V-form} {pair of elements arranged in V-form}	21/02 21/021 21/023 21/025 21/026 21/028 21/04 21/06 21/062 21/064	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section fethe transverse section being non-symmetrical fethe transverse section being non-symmetrical fethe transverse section being hollow fethe shape of rim well with substantially radial flanges (with railengaging flanges B60B 17/00) {(B60B 21/021 takes precedence)} characterised by means for attaching spokes {, i.e. spoke seats} for bicycles for bicycles fethe spoke mounting means being located on a flange oriented radially and formed on the
17/00 17/0003 17/0006 17/001 17/0013 17/0017 17/002 17/0024 17/0027 17/0031 17/0034 17/0037 17/0044 17/0048 17/0048 17/0051	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) . {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} . {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} . {Spoked wheels; Spokes thereof} . {formed by two or more axially spaced discs} {with insonorisation means} . {with counter-balance} . {with noise reducing means (B60B 17/0017 takes precedence)} . {Resilient wheels, e.g. resilient hubs (B60B 17/02 takes precedence)} . {using springs} {of rubber or other non-metallic material} {of substantially rectangular cross section} {single element arranged in V-form} {pair of elements arranged in V-form} {using fluid}	21/02 21/021 21/023 21/025 21/026 21/028 21/04 21/06 21/062 21/064 21/066	 B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section {with inwardly directed flanges, i.e. the tyre-seat being reversed} {the transverse section being non-symmetrical} {the transverse section being hollow} {the shape of rim well} with substantially radial flanges (with railengaging flanges B60B 17/00){(B60B 21/021 takes precedence)} characterised by means for attaching spokes {, i.e. spoke seats} {for bicycles} {characterised by shape of spoke mounting holes, e.g. elliptical or triangular} {the spoke mounting means being located on a flange oriented radially and formed on the radially inner side of the rim well}
17/00 17/0003 17/0006 17/001 17/0013 17/0017 17/002 17/0024 17/0027 17/0031 17/0034 17/0037 17/0041 17/0044 17/0048	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) . {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} . {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} . {Spoked wheels; Spokes thereof} . {formed by two or more axially spaced discs} {with insonorisation means} . {with counter-balance} . {with noise reducing means (B60B 17/0017 takes precedence)} . {Resilient wheels, e.g. resilient hubs (B60B 17/02 takes precedence)} . {of rubber or other non-metallic material} {of circular or elliptical cross section} {of substantially rectangular cross section} {single element arranged in V-form} {pair of elements arranged in V-form}	21/02 21/021 21/023 21/025 21/026 21/028 21/04 21/06 21/062 21/064 21/066	 B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section {with inwardly directed flanges, i.e. the tyre-seat being reversed} {the transverse section being non-symmetrical} {the transverse section being hollow} {the shape of rim well} with substantially radial flanges (with railengaging flanges B60B 17/00) {(B60B 21/021 takes precedence)} characterised by means for attaching spokes {, i.e. spoke seats} {for bicycles} {characterised by shape of spoke mounting holes, e.g. elliptical or triangular} {the spoke mounting means being located on a flange oriented radially and formed on the radially inner side of the rim well} {the spoke seat comprising sealing means, e.g. for tubeless racing bike tyres}
17/00 17/0003 17/0006 17/001 17/0013 17/0017 17/002 17/0024 17/0027 17/0031 17/0034 17/0037 17/0044 17/0048 17/0048 17/0051	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) . {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} . {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} . {Spoked wheels; Spokes thereof} . {formed by two or more axially spaced discs} {with insonorisation means} . {with counter-balance} . {with noise reducing means (B60B 17/0017 takes precedence)} . {Resilient wheels, e.g. resilient hubs (B60B 17/02 takes precedence)} . {using springs} {of rubber or other non-metallic material} {of circular or elliptical cross section} {single element arranged in V-form} {pair of elements arranged in V-form} {using fluid} . {with non-elastic tyres (e.g. of particular profile or	21/02 21/021 21/023 21/025 21/026 21/028 21/04 21/06 21/062 21/064 21/066 21/068 21/068	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section fulty the transverse section being non-symmetrical the transverse section being non-symmetrical the transverse section being hollow the shape of rim well the shape of hump with substantially radial flanges (with rail-engaging flanges B60B 17/00) (B60B 21/021 takes precedence) characterised by means for attaching spokes {, i.e. spoke seats} the for bicycles the spoke mounting means being located on a flange oriented radially and formed on the radially inner side of the rim well} the spoke seat comprising sealing means, e.g. for tubeless racing bike tyres} characterised by having braking surfaces
17/00 17/0003 17/0006 17/001 17/0013 17/0017 17/002 17/0024 17/0027 17/0031 17/0034 17/0037 17/0041 17/0048 17/0048 17/0055	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) . {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} . {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} . {Spoked wheels; Spokes thereof} . {formed by two or more axially spaced discs} {with insonorisation means} . {with counter-balance} . {with noise reducing means (B60B 17/0017 takes precedence)} . {Resilient wheels, e.g. resilient hubs (B60B 17/02 takes precedence)} . {using springs} {of rubber or other non-metallic material} {of circular or elliptical cross section} {single element arranged in V-form} {pair of elements arranged in V-form} {using fluid} . {with non-elastic tyres (e.g. of particular profile or composition)}	21/02 21/021 21/023 21/025 21/026 21/028 21/04 21/06 21/062 21/064 21/066	 B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section {with inwardly directed flanges, i.e. the tyre-seat being reversed} {the transverse section being non-symmetrical} {the transverse section being hollow} {the shape of rim well} with substantially radial flanges (with railengaging flanges B60B 17/00) {(B60B 21/021 takes precedence)} characterised by means for attaching spokes {, i.e. spoke seats} {for bicycles} {characterised by shape of spoke mounting holes, e.g. elliptical or triangular} {the spoke mounting means being located on a flange oriented radially and formed on the radially inner side of the rim well} {the spoke seat comprising sealing means, e.g. for tubeless racing bike tyres}
17/00 17/0003 17/0006 17/001 17/0013 17/0017 17/002 17/0024 17/0027 17/0031 17/0034 17/0037 17/0041 17/0044 17/0048 17/0055 17/0058	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) · {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} · {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} · . {Spoked wheels; Spokes thereof} · . {formed by two or more axially spaced discs} · . {with insonorisation means} · . {with counter-balance} · . {with noise reducing means (B60B 17/0017 takes precedence)} · {Resilient wheels, e.g. resilient hubs (B60B 17/02 takes precedence)} · . {using springs} · . {of rubber or other non-metallic material} · {of substantially rectangular cross section} · {single element arranged in V-form} · {pair of elements arranged in V-form} · {pair of elements arranged in V-form} · {with non-elastic tyres (e.g. of particular profile or composition)} · . {characterised by their fixing to wheel bodies} · {having teeth or protrusions on the circumference of the wheel}	21/02 21/021 21/023 21/025 21/026 21/028 21/04 21/06 21/062 21/064 21/066 21/068 21/068	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section fulty the transverse section being non-symmetrical fulty the transverse section being non-symmetrical fulty the shape of rim well fulty the shape of hump with substantially radial flanges (with railengaging flanges B60B 17/00) {(B60B 21/021 takes precedence)} characterised by means for attaching spokes {, i.e. spoke seats} for bicycles for bicycles for bicycles for bicycles for triangular flange oriented radially and formed on the radially inner side of the rim well} fulty the spoke seat comprising sealing means, e.g. for tubeless racing bike tyres} characterised by having braking surfaces characterised by the form of tyre-seat or flange, e.g.
17/00 17/0003 17/0006 17/0013 17/0017 17/002 17/0024 17/0027 17/0034 17/0037 17/0041 17/0048 17/0055 17/0058 17/0062	Wheels characterised by rail-engaging elements ({wheel-axle combinations B60B 37/00;} of model railways A63H 19/22) · {Wheel bodies characterised by use of non-metallic material (B60B 17/0034 takes precedence)} · {Construction of wheel bodies, e.g. disc wheels (B60B 17/0003 takes precedence)} · {Spoked wheels; Spokes thereof} · {formed by two or more axially spaced discs} · · {with insonorisation means} · {with counter-balance} · {with noise reducing means (B60B 17/0017 takes precedence)} · {Resilient wheels, e.g. resilient hubs (B60B 17/02 takes precedence)} · · {using springs} · · {of circular or elliptical cross section} · · · {of substantially rectangular cross section} · · · {single element arranged in V-form} · · · {pair of elements arranged in V-form} · · · {using fluid} · {with non-elastic tyres (e.g. of particular profile or composition)} · {characterised by their fixing to wheel bodies} · {having teeth or protrusions on the circumference}	21/02 21/021 21/023 21/025 21/026 21/028 21/04 21/06 21/062 21/064 21/066 21/068 21/08 21/10	B60B 9/00; capable of carrying more than one tyre B60B 11/04; multiple rims on a single wheel body B60B 11/06; of multi-part type B60B 25/00; metal tyres B60C) characterised by transverse section (with inwardly directed flanges, i.e. the tyre-seat being reversed} (the transverse section being non-symmetrical} (the shape of rim well} (the shape of hump} (with substantially radial flanges (with rail- engaging flanges B60B 17/00){(B60B 21/021 takes precedence)} characterised by means for attaching spokes {, i.e. spoke seats} (for bicycles} (for bicycles} (fhe spoke mounting means being located on a flange oriented radially and formed on the radially inner side of the rim well} (the spoke seat comprising sealing means, e.g. for tubeless racing bike tyres} characterised by the form of tyre-seat or flange, e.g. corrugated (B60B 21/02 takes precedence)

Rims; Hubs B60B

21/102 The surface of bead seats) 27/002 (the cherment being a brake dure) 21/123 Popertunices, e.g., firm ingo bands 27/005 (the cherment being a brake dure) 21/125 Flead champing elements 27/006 (the cherment being a brake calign mount) 21/126 Flead champing elements 27/007 (the cherment being a brake calign mount) 21/127 Popertunices, e.g., firm sending min wheeld body 16/008 9001 civicies for fraie training or securing constructional elements or machine parts together F16/01 (the cherment being a brake calign mount) 21/127 Popertunices, e.g., firm sending min wheeld by 16/01 (the cherment being a brake calign mount) 21/127 Popertunices, e.g., firm sending min wheeld 27/007 (characterised by sealing means) 21/127 Popertunices, e.g., firm sending min wheeld 27/007 (characterised by sealing means) 21/127 Popertunices, e.g., for sealing the component parts (characterised popertunices) (characterised by sealing means) 21/128 Popertunices, e.g., for sealing the component parts (characterised popertunices) 21/129 Popertunices, e.g., for sealing the component parts (characterised popertunices) 21/129 Popertunices, e.g., for sealing the component parts (characterised popertunices) 21/129 Popertunices, e.g., for sealing the component parts (characterised popertunices) 21/129 Popertunices, e.g., for sealing the component parts (characterised popertunices) 21/129 Popertunices, e.g., for sealing the component parts (characterised popertunices) 21/129 Popertunices, e.g., for sealing the component parts enabling the flange rings to be slipped over the rine parts (characterised popertunices) 21/129 Popertunices, e.g., for sealing the component parts enabling the lange rings to be slipped over the rine parts (characterised popertunices) 21/129 Popertunices, e.g., for sealing the component parts enabling the lange rings to be slipped over the rine parts (characterised popertunices) 21/129 Popertunices, e.g., for sealin				
27006 Attaching rim to wheel body (attaching spokes to rim 1800 104, 18010 174; antaching rims residently to wheel body (attaching spokes to rim 1800 104, 18010 174; antaching rims residently to wheel body 1801 174; and 1801	21/108	• { the surface of bead seats }	27/0052	• { the element being a brake disc}
Attaching rim to wheel body (attaching spokes to rim BOOB 1018, BOOB 1014; attaching rims resiliently to wheel body 1909 100; 1 eviers for finestering or securing constructional elements or machine parts together F161) NOTE From BOOB 2012 takes precedence over groups 1600 2310 -				
Affaching run to wheel foody BIOB 1944; a flucthing rims resiliently to wheel hody BIOB 1940; (sevices for factering or securing constructional elements or machine parts together F10B)) NOTE Group 198B 2342 takes precedence over groups 186B 23402 a Month 23402 a wheel probability of the parts together F10B) 23402 a wheel probability of the parts together F10B) 23402 a wheel probability of the parts together F10B) 23402 a wheel probability of the parts together F10B) 23402 a wheel probability of the parts together F10B) 23402 a wheel probability of the parts together F10B) 23402 a wheel probability of the parts together F10B) 23402 a wheel probability of the parts together F10B) 23402 a wheel probability of the parts together F10B) 23402 a wheel probability of the parts together F10B) 23402 a wheel probability of the parts together F10B) 23402 a wheel probability of the parts together F10B) 23402 a wheel parts together F10B) 23402 a wheel parts together F10B 23402 a wheel part	21/125	• • {Bead clamping elements}		
rim B60B 1/H3, B60B 1/H3 stacking rims resiliently to wheel book B60B 2000 (§ devices for fastening or securing constructional elements or machine parts together F16B) NOTE Group B60B 23/12 takes precedence over groups b60B 23/02 B60B 23/10 Possible B60B 23/12 takes precedence over groups b60B 23/02 B60B 23/10 Possible B60B 23/12 takes precedence over groups b60B 23/02 B60B 23/10 Possible B60B 23/12 takes precedence over groups b60B 23/02 B60B 23/10 Possible B60B 23/12 takes precedence over groups b60B 23/02 B60B 23/10 Possible B60B 23/12 takes precedence over groups b60B 23/02 B60B 23/10 Possible B60B 23/12 takes precedence over groups b60B 23/02 B60B 23/10 Possible B60B 23/12 takes precedence over groups b60B 23/02 B60B 23/10 Possible B60B 23/12 takes precedence over groups b60B 23/02 takes precedence over groups b60B 23/02 B60B 23/02 Possible B60B 23/12 takes precedence over groups b60B 23/02 Possible B60B 23/12 takes precedence over groups b60B 23/02 Possible B60B 23/12 takes precedence over groups b60B 23/02 Possible B60B 23/12 takes precedence over groups b60B 23/02 Possible B60B 23/12 takes precedence over groups b60B 23/02 Possible B60B 23/12 takes precedence over groups b60B 23/02 Possible B60B 23/12 takes precedence over groups b60B 23/02 Possible B60B 23/02 B60	23/00	Attaching rim to wheel body (attaching spokes to		
securing constructional elements or machine parts together F16D1) NOTE Group B60B 231D takes precedence over groups B60B 23402 B60B 231D 210 takes precedence over groups B60B 23402 B60B 231D 210 takes precedence over groups B60B 23402 B60B 231D 240 takes precedence over groups B60B 23402 B60B 231D 240 takes precedence over groups B60B 23402 B60B 231D 240 takes precedence over groups B60B 23402 B60B 231D 240 takes precedence over groups B60B 23402 B60B 231D 240 takes precedence over groups B60B 23402 B60B 231D 240 takes precedence over groups B60B 23402 by bayonet joint, serve-thread, or like attachments 2704 by devices arranged to permit variation of axial post devided rims B60B 2004 by devices arranged to permit variation of axial post devided rims B60B 2104) by devices arranged to permit variation of axial growth and adjustment 25002 by devices arranged to permit variation of axial growth attachment 27005 by devices arranged post post post post post post post post				
NOTE Group B60B 23/12 takes precedence over groups B700B 27/02 to the comprising of the takethements B700B 27/02 to the comprising to take precedence over groups B700B 23/12 takes precedence over groups B700B 23/12 takes precedence over groups B700B 23/12 takes precedence precedence over groups B700B 23/12 takes precedence precedence over groups B700B 23/12 takes precedence		to wheel body <u>B60B 9/00</u> {; devices for fastening or		· · · · · · · · · · · · · · · · · · ·
NOTE Group BoB 23/12 takes precedence over groups B60B 23/10 takes precedence over groups B60B 23/10 to there expansible ring devices 27.022		securing constructional elements or machine parts		
Group B60B 23/12 takes precedence over groups B60B 23/02 bot 93/10 23/02 by spit or other expansible ring devices 23/04 by byaronet joint, serwe-thread, or like attachments 23/06 by sersws, bolts, prins, or clips 23/08 a rarnaged axially 23/10 by devices arranged to permit variation of axial position of rim relative to wheel body for track width adjustment 25/06 Rims built-up of several main parts {1 Locking means for the rim parts/(took for assembling divided rims B60B 31/09) 25/002 (Rims spit in circumfreential direction) 25/004 (one rim part comprising the wheel disc) 25/005 (ene rim part comprising the wheel disc) 25/006 (comprising spacer means) 25/007 (comprising spacer means) 25/008 (comprising spacer means) 25/009 (comprising spacer means) 25/000 (comprising spacer means) 25/000 (comprising spacer means) 25/001 (comprising spacer means) 25/002 (comprising spacer means) 25/003 (comprising spacer means) 25/004 (comprising spacer means) 25/005 (comprising spacer means) 25/005 (comprising spacer means) 25/006 (comprising spacer means) 25/007 (comprising spacer means) 25/008 (comprising spacer means) 25/009 (comprising spacer means) 25/000 (comprising spacer means) 25/000 (comprising spacer means) 25/001 (comprising spacer means) 25/002 (comprising spacer means) 25/003 (comprising spacer means) 25/004 (comprising spacer means) 25/005 (comprising spacer means) 25/005 (comprising spacer means) 25/006 (comprising spacer means) 25/007 (comprising spacer means) 25/007 (comprising spacer means) 25/008 (comprising spacer means) 25/009 (comprising spacer means) 25/000 (comprising spacer) 25/000		together <u>F16B</u> })		· · · · · · · · · · · · · · · · · · ·
Group B60B 23/10 Robert Percentage 27/02 .aukpreld to be rotatably arranged on acker 27/02 (specially dapted for bicycles) 27/02 (comprising quick release devices) 27/04 (comprising a rotational dampers) 27/05 (comprising a rotational dampers) 27/05 (comprising a rotational dampers) 27/05 (comprising a freewheel mechanisms) (comprising a freewheel mechanisms) 27/05 (comprising a freewheel mechanisms) (comprising a freewheel mechanisms) (comprising a freewheel mechanisms) (comprising a freewheel mechanisms) (comprising a practy (comprising a practy (comprising a freewheel mechanisms) (comprising a freewheel mechanisms) (comprising		NOTE	27/0094	
Booff 2002 - Booff 2010 27/023 . (specially adapted for bicycles) 27/024 . (comprising quick release devices) 27/042 . (comprising a proke protectors) 27/042 . (comprising a spoke protectors) 27/042 . (comprising a spoke protectors) 27/043 . (comprising a spoke protectors) 27/045 . (comprising a spoke protector) 27/045 . (some real spoke) 2		Group R60R 23/12 takes precedence over groups	27/02	
23/02 by split or other expansible ring devices 23/04 by bayonet joint, screw-thread, or like attachments 23/06 by screws, bolts, prins, or clips 23/08 carranged radially 23/10 carranged axially 23/10 carranged maint parts (27/06) 23/10 carranged axially 23/10 carranged axially 23/10 carranged axially 23/10 carranged to be fixed on axle 25/06 carranged to permit variation of axial position of fine relative to wheel body for track with adjustment 25/00 carranged axially 25/00 carranged split in circumferential direction) 25/00 carranged carranged (27/06) 25/00 carranged comprising the wheel disc) 25/00 carranged carranged (28/06) 25/00 carrangement of carranged (28/0				
2304 by by sport of other expansione ring devices 2304 by by sported form, screw-thread, or like attachments 2306 by screws, bolts, pins, or clips 27045 (comprising a rotational dampers) 27047 (comprising a spoke protectors) 27047 arranged axially 27047 (comprising a spoke protectors) 27048 by devices arranged to permit variation of axial position of rim relative to wheel body for track width adjustment of the position of rim relative to wheel body for track width adjustment width adjustment width adjustment of the position of rim relative to wheel body for track width adjustment width adjustment of the rim parts (colos for assembling divided rims Bodß 31.04) 25,002 (Rims split in circumferential direction) 25,004 (one rim part comprising the wheel disc) 25,006 (comprising spacer means) 25,006		<u>5005 25/02</u> <u>5005 25/10</u>		
2,306 by sparcey, folks, screw-friend, or like attachments 2,306 by sparcey, solks, prins, or clips 2,306 by sparcey, solks, prins, or clips 2,306 by sparcey, solks, prins, or clips 2,307 comprising a protational dampers 2,307 comprising a freewhele mechanisms 3,307 comprising a freewhele mechanisms 3,307 comprising a freewhele mechanisms 3,307 comprising a freewhele mechanisms 4,307 comprising a spoke protectors 3,307 comprising a freewhele mechanisms 4,307 comprising a freewhell store of mechanisms 4,307 comprising a freewhell store for members 4,307 comprising part 4,307 comprising means for free free free free free free free	23/02	 by split or other expansible ring devices 		
23/08 arranged axially 27/047 (comprising a spoke protectors) 23/10 arranged axially 27/06 addition of tim relative to wheel body for track width adjustment 27/065 wheeld are axial position of tim relative to wheel body for track width adjustment of the parts (tools for assembling divided rims Bolß 31/04) 25/002 - (Rims split in circumferential direction) 25/004 (none imparts (colos for assembling divided rims Bolß 31/04) 25/005 - (Rims split in circumferential direction) 25/004 (form parts (tools for assembling divided rims Bolß 31/04) 25/006 - (Rims split in circumferential direction) 25/0004 (form parts (tools for assembling divided rims Bolß 31/04) 25/0005 - (Elms split in circumferential direction) 25/0004 (form parts (tools for mounting wheels or parts thereof (hand tools in general B25; tools for mounting wheels or parts thereof (hand tools in general B25; tools for mounting wheels at assembly lines B62D 65/12) 25/000 (Elms split symmetrically) 29/002 29/002 25/003 (comprising spacer means) 29/002 29/002 25/004 (sums with disnountable flange rings, seat rings, or lock rings 25/045 (on both sides) 29/002 29/002 29/002 25/004 (on both sides) 29/005 25/006 Split flange rings, e.g. transversely split; Connecting equipment for overdapping the slot connecting equipment for overdapping the slot probability of the split rings 25/10 Seat rings for the tyre bead part, e.g. split 25/14 Locking means for flange rings or seat rings 25/14 Locking means for lange rings or seat rings 25/14 Locking means for lange rings or seat rings 25/14 Locking means for lange rings or seat rings 25/14 Locking means for lange rings or seat rings 25/14 Locking means for lange rings or seat rings 25/14 Locking means for lange rings or seat rings 25/14 Locking means for lange rings or seat rings 25/14 Locking means for lange rings or seat rings 25/14 Locking means for lange rings or seat rings 25/14 Locking means for lange rings or seat	23/04	 by bayonet joint, screw-thread, or like attachments 		
23/10 - arranged radially 23/12 - by devices arranged to permit variation of axial position of rim relative to wheel body for track width adjustment 25/00 Rims built-up of several main parts {; Locking means for the rim parts(tools for assembling divided rims 18/08 31/04) 25/002 - (Rims split in circumferential direction) divided rims 18/08 31/04) 25/003 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/005 - (In memoral parts (standard) divided rims 18/08 31/04) 25/006 - (In memoral parts (standard) divided rims 18/08 31/04) 25/007 - (In memoral parts (standard) divided rims 18/08 31/04) 25/008 - (In memoral parts (standard) divided rims 18/08 31/04) 25/008 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/004 - (In memoral parts (standard) divided rims 18/08 31/04) 25/005 - (In memoral parts (standard) divided rims 18/08 31/04) 25/006 - (In memoral parts (standard) divided rims 18/08 31/04) 25/007 - (In memoral parts (sta	23/06	 by screws, bolts, pins, or clips 		
23/12 aranged axially 23/12 by devices arranged to permit variation of axial position of rim relative to wheel body for track width adjustment 25/06 Rims huilt-up of several main parts {; Locking means for the rim parts}(tools for assembling divided rims Bod) 3.104) 25/002 . {Rims split in circumferential direction} 25/004 (one rim part comprising the wheel disc) 25/008 (Rims split symmetrically) 25/008 (Rims split symmetrically) 25/008 (comprising spacer means) 25/002 . Segmented rims, e.g. with segments arranged in sections; Connecting equipment, e.g. hinges; Instrable flange rings therefore took in sections; Connecting equipment, e.g. hinges; Instrable flange rings therefore took in sections; Connecting equipment for coverlapping the slot Connecting equipment for overlapping the slot connecting equipment for overlapping the slot rim body 25/004 . Split flange rings, e.g. transversely split; Connecting equipment for overlapping the slot connecting equipment for overlapping the slot rim body 25/10 . Seat rings for the tyre bead part, e.g. split as provided with a doily) 25/11 . Locking means for flange part carbose anabling the flange rings to be slipped over the rim body 25/12 with integral flange part carbose split rings 25/13 Arrangement of spotter carbose split rings 25/14 Locking means for flange rings or seat rings 25/16 Arrangement of split rings 25/10 Arrangement of spotter carbose split rings 25/10 Arrangement of spotter carbose split rings 25/10 Arrangement of spotter carbose split rings 25/10 (with ball bearings) 25/10 (characterised by the fixation of the hub to the sake) 25/10 (characterised by the fixation of the hub to the six of the fixation of the hub to the six and brownend of the wheel s	23/08	The state of the s		
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25/00 Rims built-up of several main parts (; Locking means for the rim parts) floor of rack with adjustment 29/00 Apparatus or tools for mounting wheels or parts thereof (hand tools in general B25; tools for mounting tyres B60C 25/00 (Rims split in circumferential direction) 29/00 Apparatus or tools for mounting tyres B60C 25/00 (Rims split in circumferential direction) 29/00 Apparatus or tools for mounting tyres B60C 25/00 (Rims split in circumferential direction) 29/00 Apparatus or tools for mounting or dismounting wheels (mounting of wheels at assembly lines B62D 65/12) (comprising paper means) 29/001 (comprising paper means) 29/002 (comprising lifting or aligning means (B60B 29/002 takes precedence) (comprising lifting or aligning means (B60B 29/002 takes precedence) (provided with a dolly) (wrenches, e.g. of the ratchet type (B60B 29/002 takes precedence) (for dual wheels) (for dual wheels) (comprising paper grings, e.g. transversely split; (connecting equipment for overlapping the slot connecting equipment for overlapping the slot in the provided with a dolly) (wrenches, e.g. of the ratchet type (B60B 29/005 takes precedence) (with electric or pneumatic drive power-driven gear-operated wrenches per se B25B 13/00) (with electric or pneumatic drive (power-driven gear-operated wrenches per se B25B 13/00) (with electric or pneumatic drive (power-driven mustering or loosates) provided with a dolly) (with electric or pneumatic drive (power-driven gear-operated wrenches per se B25B 13/00) (with electric or pneumatic drive (power-driven mustering or loosation) provided with a dolly) (with electric or pneumatic drive (power-driven gear-operated wrenches per se B25B 13/00) (with electric or pneumatic drive (power-driven mustering or loosate) provided with a dolly (with	23/12			-
Rims built-up of several main parts {: Locking means for the rim parts](tools for assembling divided rims B60B 3.104) 29/002 25/002 (Rims split in circumferential direction) 29/004 (Rims split in circumferential direction) 29/005 (Rims split or incumferential direction) 29/005 (Rims split or incumferential direction) 29/006 (Rims split or incumferential direction) 29/007 (comprising of wheels at assembly lines B60B 2.9.002 takes precedence) (comprising of wheels at assembly lines B60B 2.9.002 takes precedence) (provided with a dolly) (comprising fifting or aligning means (B60B 2.9.002 takes precedence) (provided with a dolly) (provided with a dolly		-	27/003	•
means for the rim parts)(tools for assembling divided rims B60B 31.04) 25.002 26.003 27.004 28. [Rims split in circumferential direction] 29.0004 29.0005 20. [Rims split symmetrically] 29.0007 29.0007 29.0008 29.0009		width adjustment		
divided rims B60B 3104) 25/002	25/00	Rims built-up of several main parts {; Locking		
25/002 (Rims split in circumferential direction) 25/004 (orange impart comprising the wheel disc) 25/005 (Rims split symmetrically) 25/008 (orange impart comprising the wheel disc) 25/008 (orange impart comprising the wheel disc) 25/008 (orange impart comprising spacer means) 25/00 (orange impart comprising spacer means) 25/00 (orange impart comprising spacer means) 25/00 (orange imparts, e.g., with segments arranged in sections; Comercting equipment, e.g., hinges; lasertable flange rings therefor 25/00 (orange imparts, e.g., with segments arranged in sections; Comercting equipment, e.g., hinges; lasertable flange rings therefor 25/00 (orange imparts, e.g., with segments arranged in sections; Comercting equipment, e.g., hinges; lasertable flange rings therefor 25/00 (orange imparts, e.g., with segments arranged in sections; Comercting equipment for overlapping the slot Continuous flange rings; Arrangement of reverlapping the slot Continuous flange rings; Arrangement of reverlapping the slot Continuous flange rings; Arrangement of everlapping the slot orange equipment for overlapping the slot orange equipm		means for the rim parts}(tools for assembling	tools in gener	ral $\underline{B25}$; tools for mounting tyres $\underline{B60C 25/00}$)
25/002 - {Rims split in circumferential direction} 25/004 - {nor imp art comprising the wheel disc} 25/005 - {nor imp art comprising spacer means} 25/005 - {comprising spacer means} 25/005 - {comprising spacer means} 25/006 - {comprising spacer means} 25/007 - {comprising spacer means} 25/007 - {comprising spacer means} 25/008 - {comprising spacer means} 25/009 - {comprising spacer means} 25/009 - {comprising spacer means} 25/000 - {continuous discisory 25/000 - {continuous flanger ings, e.g. transversely split; 25/000 - {continuous flanger ings, e.g. transversely split; 25/000 - {continuous flanger ings, e.g. transversely split; 25/1000 - {continuous flanger ings, e.g. transversely split; 25/100 - {continuous flanger ings, c.g. transversely split; 25/100 - {continuous flanger ings or seat rings 25/100 - {continuous flanger ings, c.g. transversely split;			29/00	Apparatus or tools for mounting or dismounting
25/004 · . {one rim part comprising the wheel disc} 25/008 · . {Rims split symmetrically} 25/008 · . {comprising spacer means} 25/002 · Segmented rims, e.g. with segments arranged in sections; Connecting equipment, e.g. hinges; Insertable flange rings therefor 25/04 · Rims with dismountable flange rings, seat rings, or lock rings 25/04 · Rims with dismountable flange rings, seat rings, or lock rings 25/04 · Quantification of the transport of the properties o	25/002	• {Rims split in circumferential direction}	25,00	••
25/006 (Rims split symmetrically) 25/008 (comprising spacer means) 25/002 . Segmented rims, e.g. with segments arranged in sections; Connecting equipment, e.g. hinges; Insertable Ilange rings therefor 25/04 . Rims with dismountable flange rings, seat rings, or lock rings 25/04 . (no both sides) 25/04 . Split flange rings, e.g. transversely split; Connecting equipment for overlapping the slot 25/06 . Split flange rings, e.g. transversely split; Connecting equipment for overlapping the slot 25/08 . Continuous flange rings; Arrangement of recesses enabling the flange rings to be slipped over the rim body 25/10 . Seat rings for the tyre bead part, e.g. split 25/11 with integral flange part 25/12 with integral flange part 25/13 Arrangement of split rings 25/14 Locking means for flange rings or seat rings 25/15 Arrangement of split rings 25/16 Arrangement of split rings 25/17 Arrangement of split rings 25/18 Arrangement of split rings 25/20 . Other apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 27/000 . (with ball bearings) 27/001 . (with roller-bearings) 27/001 . (with roller-bearings) 27/001 . (characterised by torque transmission means from drive axle) 27/002 (characterised by the fixation of the homokinetic joint to the hub) 27/004 . (characterised by functional integration of other	25/004			
25/008 . (comprising spacer means) 25/012 . Segmented rims, e.g. with segments arranged in sections; Connecting equipment, e.g. hinges; Insertable flange rings therefor 25/04 . Rims with dismountable flange rings, seat rings, or lock rings 25/04 . (on both sides) 25/05 . (on both sides) 25/06 . Split flange rings, e.g. transversely split; Connecting equipment for overlapping the slot 25/08 . Continuous flange rings; Arrangement of recesses enabling the flange rings to be slipped over the rim body 25/10 . Seat rings for the tyre bead part, e.g. split 25/11 with integral flange part 25/12 with integral flange part 25/13 Arrangement of split rings 25/14 Locking means for flange rings or seat rings 25/15 Arrangement of split rings 25/16 Arrangement of split rings 25/17 Arrangement of split rings 25/18 Arrangement of split rings 25/19 (arrangement of split rings) 25/10 . (birt adual type, e.g. for sealing the component parts enabling the use of tubeless tyres 27/000 . (with ball bearings) 27/0015 . (for driven wheels) 27/0015 . (characterised by torque transmission means from drive axle) 27/0026 (of the radial type, e.g. splined key) 27/0026 (characterised by torque transmission means from drive axle) 27/0024 (characterised by torque transmission of the homokinetic joint to the hub) 27/0040 . (characterised by functional integration of other			29/001	
in sections; Connecting equipment, e.g. hinges; Insertable flange rings therefor Rims with dismountable flange rings, seat rings, or lock rings 25/04				
Insertable flange rings therefor Rims with dismountable flange rings, seat rings, or look rings 25/045	25/02		29/002	• {provided with a dolly}
25/04 Rims with dismountable flange rings, seat rings, or lock rings 25/05			29/003	• {Wrenches, e.g. of the ratchet type (<u>B60B 29/001</u>
lock rings 29/005 . [hand-driven operating with multiplicated forces (B60B 29/004 takes precedence; hand-driven gear-operated wrenches per se B25B 17/00, with torque amplification B25B 17/00)	27/04			takes precedence; wrenches <u>per se</u> <u>B25B 13/00</u>)}
25/045 {on both sides} 25/06 Split flange rings, e.g. transversely split; Connecting equipment for overlapping the slot 25/08 Continuous flange rings; Arrangement of recesses enabling the flange rings to be slipped over the rim body 25/10 Seat rings for the tyre bead part, e.g. split 25/12 with integral flange part 25/14 Locking means for flange rings or seat rings 25/16 Arrangement of split rings 25/16 Arrangement of split rings 25/18 Arrangement of split rings 25/19 Arrangement of split rings 25/10 Arrangement of split rings 25/10 Arrangement of split rings 25/12 with integral flange part 25/14 Locking means for flange rings or seat rings 25/16 Arrangement of split rings 25/17 Arrangement of split rings 25/18 Arrangement of split rings 25/19 Arrangement of split rings 25/22 . Other apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 27/00 Hubs (non-metallic B60B 5/00; of high resiliency B60B 9/00) 27/001 . {with roller-bearings} 27/0021 . {with roller-bearings} 27/0021 . {with roller-bearings} 27/0021 . {characterised by torque transmission means from drive axle} 27/0022 {characterised by torque transmission means from drive axle} 27/0036 {of the axial type, e.g. splined key} 27/0037 . {characterised by the fixation of the homokinetic joints to the lub} 27/0047 . {characterised by functional integration of other	25/04		29/004	
25/06 . Split flange rings, e.g. transversely split; Connecting equipment for overlapping the slot Continuous flange rings; Arrangement of recesses enabling the flange rings to be slipped over the rim body 25/10 . Seat rings for the tyre bead part, e.g. split 25/11 . With integral flange part 25/12 . With integral flange part 25/14 . Locking means for flange rings or seat rings 25/16 . Arrangement of bayonet catches 25/18 . Arrangement of screws, bolts, or shouldered pins 25/20 . Arrangement of screws, bolts, or shouldered pins 25/22 . Other apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 27/000 Hubs (non-metallic B60B 5/00; of high resiliency B60B 9/00) 27/0015 . {with hall bearings} 27/0016 . {with roller-bearings} 27/0017 . {with roller-bearings} 27/0018 . {other apurtenances of the tyre bead part, e.g. split drive axle} 27/0021 . {characterised by torque transmission means from drive axle} 27/0022 . {characterised by torque transmission means from drive axle} 27/0031 . {characterised by terque transmission means from drive axle} 27/0047 . {characterised by functional integration of other 27/0040 . {characterised by functional integration of other 27/0041 . {characterised by functional integration of other 27/0042 . {characterised by functional integration of other 27/0043 . {characterised by functional integration of other 27/0044 . {characterised by functional integration of other 27/0045 . {characterised by functional inte	25/045	_	29/005	
Connecting equipment for overlapping the slot Continuous flange rings; Arrangement of recesses enabling the flange rings to be slipped over the rim body 29/007 25/10 Seat rings for the tyre bead part, e.g. split 25/12 Locking means for flange rings or seat rings 25/14 Locking means for flange rings or seat rings 25/16 Arrangement of bayonet catches 25/18 Arrangement of split rings 25/20 Other apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres Thubs (non-metallic B60B 5/00; of high resiliency B60B 9/00) (with ball bearings) (with ball bearings) 30/00 Author apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 30/04 Author apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 30/04 Author apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 30/04 Author apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 30/04 Author apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 30/05 Author apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 30/04 Author apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 30/04 Author apurtenances, e.g. the tyre being mounted on the wheel frim 30/05 Author apurtenances, e.g. the tyre being mounted on the wheel frim 30/06 Author apurtenances, e.g. the tyre being mounted on the wheel body, e.g. the rim 30/06 Author apurtenances, e.g. the tyre being mounted on a rim, i.e. holders or supports for tyres alone 4 or engaging the tyre, e.g. the tyre being mounted on a rim, i.e. holders or supports for tyres alone 50/005 Apparatus or tools for assembling or disassembling wheels Apparatus or tools for assembling or disassembling wheels 4 (caparaterised by the fixation of the homokinetic joint to the hub) 31/04 Apparatus or tools for assembling divided rims 50/04 Apparatus or tools for ass				
25/08 Continuous flange rings; Arrangement of recesses enabling the flange rings to be slipped over the rim body 25/10 Seat rings for the tyre bead part, e.g. split 25/12 with integral flange part 25/14 . Locking means for flange rings or seat rings 25/16 Arrangement of bayonet catches 25/18 Arrangement of screws, bolts, or shouldered pins 25/20 Arrangement of screws, bolts, or shouldered pins 25/22 . Other apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 27/00 Hubs (non-metallic B60B 5/00; of high resiliency parts of with ball bearings) 27/001 . {with ball bearings} 27/0021 . {characterised by torque transmission means from drive axle} 27/0024 . {characterised by tenctional integration of other 27/0047 . {characterised by functional integration of other	23/00			
enabling the flange rings to be slipped over the rim body 25/10 . Seat rings for the tyre bead part, e.g. split 25/12 with integral flange part 25/14 Locking means for flange rings or seat rings 25/16 Arrangement of bayonet catches 25/18 Arrangement of split rings 25/20 Arrangement of screws, bolts, or shouldered pins 25/22 . Other apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 27/000 Hubs (non-metallic B60B 5/00; of high resiliency B60B 9/00) 27/0005 . {with ball bearings} 27/001 . {with roller-bearings} 27/001 . {with roller-bearings} 27/001 . {for driven wheels} 27/001 . {characterised by torque transmission means from drive axle} 27/0024 {characterised by torque transmission means from drive axle} 27/0047 . {characterised by functional integration of other enabling the tyre, e.g. splined key} 29/007 . {Supports for wrenches (B60B 29/005, B60B 29/006) take precedence)} 29/008 . {Supports for wrenches (B60B 29/005, B60B 29/006) take precedence)} 30/00 Wheel pullers; tools for axial movement of wheels (adjustable axle units for varying track B60B 35/10)} Means for holding wheels or parts thereof (spare wheel stowing, holding or mounting arrangements on vehicles B62D 43/00) 20/002 . engaging the tyre, e.g. the tyre being mounted on the wheel rim 30/02 . engaging the tyre, e.g. the tyre being mounted on the wheel body, e.g. the rim 30/08 . the central part of the wheel body 30/08 . the central part of the wheel body 31/00 . characterised by being provided on a dolly 31/00 Apparatus or tools for assembling or disassembling wheels 4 (comprising homokinetic joints) 31/00 for assembling divided rims 4 (characterised by the fixation of the homokinetic joint to the hub) 31/04 for assembling divided rims 5 (characterised by functional integration of other)	25/08		20/006	
rim body 29/007 . Seat rings for the tyre bead part, e.g. split 29/008 . Seat rings for the tyre bead part, e.g. split 29/008 . Wheel pullers; tools for axial movement of wheels (adjustable axle units for varying track B60B 35/10)} 25/14 . Locking means for flange rings or seat rings 25/16 Arrangement of bayonet catches 25/18 Arrangement of split rings 25/20 Arrangement of screws, bolts, or shouldered pins 25/22 . Other apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 27/00 Hubs (non-metallic B60B 5/00; of high resiliency B60B 9/00) 27/005 . {with ball bearings} 27/001 . {with roller-bearings} 27/001 . {with roller-bearings} 27/002 {for driven wheels} 27/002 {of the radial type, e.g. splined key} 27/003 {of the axial type, e.g. front teeth} 27/004 {characterised by tructional integration of other 27/004 . {characterised by functional integration of other 28/005 . {wheels pullers; tools for axial movement of wheels (adjustable axle units for varying track B60B 35/10)} 30/00 Means for holding wheels or parts thereof (spare wheel sodying, holding or mounting arrangements on vehicles B62D 43/00) 28/002 . engaging the tyre, e.g. the tyre being mounted on the wheel rim 29/003 the tyre not being mounted on a rim, i.e. holders or supports for tyres alone 27/001 . {with roller-bearings} 30/06 engaging the wheel body, e.g. the rim 27/001 . {characterised by torque transmission means from drive axle} 27/002 {of the radial type, e.g. splined key} 27/003 {of the axial type, e.g. front teeth} 31/00 {especially for spoked wheels} 31/00 {especially for spoked wheels} 31/00 {or assembling or disassembling or disassembling or extracting spokes from wheels 31/00 {or assembling divided rims 41/004 . {characterised by functional integration of other 41/004 . {characterised by functional integration of other	23/00		29/000	*
25/10 . Seat rings for the tyre bead part, e.g. split 25/12 . with integral flange part 25/14 . Locking means for flange rings or seat rings 25/16 . Arrangement of bayonet catches 25/18 . Arrangement of split rings 25/20 . Arrangement of screws, bolts, or shouldered pins 25/22 . Other apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 27/00 Hubs (non-metallic B60B 5/00; of high resiliency B60B 9/00) 27/0005 . {with ball bearings} 27/001 . {with roller-bearings} 27/001 . {with roller-bearings} 27/0021 . {characterised by torque transmission means from drive axle} 27/0024 {comprising homokinetic joint to the hub} 27/0047 . {characterised by tunctional integration of other 28/004 . {characterised by functional integration of other 29/008 . {Wheel pullers; tools for axial movement of wheels (adjustable axle units for varying track B60B 35/10) Wheans for holding wheels or parts thereof (spare wheel stowing, holding or mounting arrangements on vehicles B62D 43/00) 10/00 engaging the tyre, e.g. the tyre being mounted on the wheel rim 20/00 and the wheel from the wheel body or supports for tyres alone 21/000 and the tyre not being mounted on a rim, i.e. holders or supports for tyres alone 21/001 and the tyre of the tyre not being mounted on a rim, i.e. holders or supports for tyres alone 21/002 and the tyre, e.g. the rim 21/003 and the tyre, e.g. the rim 21/004 and the tyre of the tyre peing mounted on a rim, i.e. holders or supports for tyres alone 21/004 and the tyre, e.g. the tyre being mounted on the wheel body or supports for tyres alone 21/004 and the tyre, e.g. the tyre being mounted on a rim, i.e. holders or supports for tyres alone 22/004 and the tyre, e.g. the tyre being mounted on a rim, i.e. holders or supports for tyres alone 23/004 and the tyre, e.g. the tyre being mounted on a rim, i.e. holders or supports for tyres alone 24/005 and the tyre, e.g. the tyre being mounted on a fill of the wheel body, e.g. the rim 25/006 and the tyre, e.g. the tyre be			29/007	
25/12 with integral flange part 25/14 Locking means for flange rings or seat rings 25/16 Arrangement of bayonet catches 25/18 Arrangement of split rings 25/20 Arrangement of screws, bolts, or shouldered pins 25/22 . Other apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 27/00 Hubs (non-metallic B60B 5/00; of high resiliency B60B 9/00) 27/001 . {with ball bearings} 27/001 . {with roller-bearings} 27/0021 {characterised by torque transmission means from drive axle} 27/0024 {of the axial type, e.g. splined key} 27/0034 {characterised by the fixation of the hubb} 27/0047 . {characterised by functional integration of other	25/10		23/007	
25/14 . Locking means for flange rings or seat rings 25/16 Arrangement of bayonet catches 25/18 Arrangement of split rings 25/20 Arrangement of screws, bolts, or shouldered pins 25/22 . Other apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 27/00 Hubs (non-metallic B60B 5/00; of high resiliency B60B 9/00) 27/001 . {with ball bearings} 27/001 . {with roller-bearings} 27/0021 . {characterised by torque transmission means from drive axle} 27/0021 {of the radial type, e.g. splined key} 27/0031 {of the axial type, e.g. splined key} 27/0042 {characterised by the fixation of the homokinetic joint to the hub} 27/0043 . {characterised by functional integration of other 25/10 {characterised by functional integration of other 25/10 {characterised by functional integration of other 25/20 {characterised by functional integration of other 26/20 30/00 30/00 Means for holding wheels or parts thereof (spare wheel stowing, holding or mounting arrangements on vehicles B62D 43/00) . engaging the tyre, e.g. the tyre being mounted on the wheel rim 30/02 . engaging the wheel body, e.g. the rim 27/001 . {with roller-bearings} 30/08 . the central part of the wheel body 27/0021 {characterised by torque transmission means from drive axle} 31/00 Apparatus or tools for assembling or disassembling wheels 31/00 {especially for spoked wheels} 31/00 {for tightening or straightening wire spokes in situ: for extracting spokes from wheels 4 (specially for spoked wheels) 5 (for extracting spokes from wheels 5 (for removing or attaching cover discs, hub caps, or the like	25/12		29/008	•
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25/18 Arrangement of split rings 25/20 Arrangement of screws, bolts, or shouldered pins 25/22 . Other apurtenances, e.g. for sealing the component parts enabling the use of tubeless tyres 27/00 Hubs (non-metallic B60B 5/00; of high resiliency B60B 9/00) 27/0005 . {with ball bearings} 27/001 . {with roller-bearings} 27/0015 . {for driven wheels} 27/0021 {characterised by torque transmission means from drive axle} 27/0036 {of the axial type, e.g. splined key} 27/0037 {comprising homokinetic joints} 27/0042 {characterised by tunctional integration of other 27/0047 . {characterised by functional integration of other 28/0047 . {characterised of split rings} 30/00 Means for holding wheels or parts thereof (spare wheel stowing, holding or mounting arrangements on vehicles B62D 43/00) . engaging the tyre, e.g. the tyre being mounted on a rim, i.e. holders or supports for tyres alone . the central part of the wheel body, e.g. the rim . the central part of the wheel body . characterised by being provided on a dolly Apparatus or tools for assembling or disassembling wheels . {especially for spoked wheels} . for tightening or straightening wire spokes in situ: for extracting spokes from wheels . for assembling divided rims . for removing or attaching cover discs, hub caps, or the like	25/16			
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27/00 Hubs (non-metallic B60B 5/00; of high resiliency B60B 9/00) 27/0005				
the wheel rim 27/00 Hubs (non-metallic B60B 5/00; of high resiliency B60B 9/00) 27/0005 • {with ball bearings} 27/001 • {with roller-bearings} 27/0015 • {for driven wheels} 27/0021 • {characterised by torque transmission means from drive axle} 27/0021 • • {of the radial type, e.g. splined key} 27/0031 • • {of the axial type, e.g. front teeth} 27/0036 • • {comprising homokinetic joints} 27/0042 • • • {characterised by the fixation of the homokinetic joint to the hub} 27/0047 • {characterised by functional integration of other the wheel rim 30/04 • • the tyre not being mounted on a rim, i.e. holders or supports for tyres alone • • the tyre not being mounted on a rim, i.e. holders or supports for tyres alone • • engaging the wheel body, e.g. the rim • • characterised by being provided on a dolly 21/0026 • • {of the radial type, e.g. splined key} 21/0036 • • {of the radial type, e.g. splined key} 21/0036 • • {of the axial type, e.g. front teeth} 21/0036 • • {comprising homokinetic joints} 21/0040 • • • {characterised by the fixation of the homokinetic joint to the hub} 21/0040 • • • • • • • • • • • • • • • • • •	25/22	• Other apurtenances, e.g. for sealing the component	30/02	
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27/001 · {with roller-bearings} 30/08 · the central part of the wheel body 27/0015 · {for driven wheels} 30/10 ·	27/0005		30/06	
27/0021 . {characterised by torque transmission means from drive axle} 27/0026 {of the radial type, e.g. splined key} 27/0031 {of the axial type, e.g. front teeth} 27/0036 {comprising homokinetic joints} 27/0042 {characterised by being provided on a dolly Apparatus or tools for assembling or disassembling wheels 31/00 . {especially for spoked wheels} 31/00 . for tightening or straightening wire spokes in situ; for extracting spokes from wheels 31/04 . for assembling divided rims 31/04 . for assembling divided rims 31/06 . for removing or attaching cover discs, hub caps, or the like				
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drive axle } 27/0026		· ·		
27/0026 {of the radial type, e.g. splined key} 27/0031 {of the axial type, e.g. front teeth} 27/0036 {comprising homokinetic joints} 27/0042 {characterised by the fixation of the homokinetic joint to the hub} 27/0047 . {characterised by functional integration of other 31/005 . {especially for spoked wheels} . for tightening or straightening wire spokes in situ; for extracting spokes from wheels . for assembling divided rims . for removing or attaching cover discs, hub caps, or the like		The state of the s	31/00	== = = = = = = = = = = = = = = = = = = =
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27/0042 • {comprising homokinetic joints} 27/0042 • . {characterised by the fixation of the homokinetic joint to the hub} 27/0047 • {characterised by functional integration of other} 31/04 31/06 5 for extracting spokes from wheels 6 for assembling divided rims 7 for removing or attaching cover discs, hub caps, or the like	27/0031	• • { of the axial type, e.g. front teeth}		
27/0042 {characterised by the fixation of the homokinetic joint to the hub} 31/04 . {characterised by functional integration of other } 31/04 . for assembling divided rims . for removing or attaching cover discs, hub caps, or the like	27/0036	• • {comprising homokinetic joints}	31/02	
27/0047 . {characterised by functional integration of other } 31/06 . for removing or attaching cover discs, hub caps, or the like	27/0042		31/04	
2//004/ • {characterised by functional integration of other the like				
elements}	27/0047	The state of the s	22,30	
		elements }		

33/00	Castors in general; {Anti-clogging castors}(castors for large containers <u>B65D</u> 90/18)	35/001	• {Axles of the portal type, i.e. axles designed for higher ground clearance}
33/0002	• {assembling to the object, e.g. furniture}	35/002	• {Axles of the low floor type, e.g. for low-floor city
33/0005	• • {characterised by mounting method}		busses}
33/0007	• • · {by screwing}	35/003	• {Steerable axles}
33/001	• • {by snapping, clicking or latching in}	35/004	• {Mounting arrangements for axles}
33/0013	• • · {by straps, bands or similar}	35/005	• • { with adaptations at chassis structure }
33/0015	• • {characterised by adaptations made to castor}	35/006	• • { with mounting plates or consoles fitted to axles}
33/0018	• • {in the form of a flat mounting plate}	35/007	• • • {for mounting suspension elements to axles}
33/0021	• • {in the form of a mounting pin}	35/008	• • • {for mounting air suspension elements to
33/0023	• • • {in the form of specific adaptations to the form		axles}
	of the object}	35/009	• {adapted for tiltable wheels}
33/0026	• • {characterised by adaptations made to the object}	35/02	 Dead axles, i.e. not transmitting torque
33/0028	• {Construction of wheels; methods of assembling on	35/025	{the wheels being removable}
	axle}	35/04	straight
33/0036	• {characterised by type of wheels}	35/06	cranked
33/0039	• • {Single wheels}	35/08	of closed hollow section
33/0042	• • {Double or twin wheels}	35/10	 adjustable for varying track {(tools for axial)
33/0044	• • {Roller type wheels, i.e. extra wide wheels}		movement of wheels on axles <u>B60B 29/008</u>)}
33/0047	• {characterised by details of the rolling axle}	35/1009	• • • {operated manually}
33/0049	• • {the rolling axle being horizontal}	35/1018	• • • {comprising a locking pin}
33/0052	• • {the rolling axle being inclined}	35/1027	• • • {comprising a clamping mechanism}
33/0055	• • {the rolling axle intersects swivel axis}	35/1036	• • • {operated with power assistance}
33/0057	• • {the rolling axle being offset from swivel axis}	35/1045	• • • {electrically}
33/006	• {characterised by details of the swivel mechanism}	35/1054	• • • {hydraulically}
33/0063	• • {no swivelling action, i.e. no real caster}	35/1063	• • • { automatically dependent on operational
33/0065	• • {characterised by details of the swivel axis}		state of the vehicle}
33/0068	• • • {the swivel axis being vertical}	35/1072	• • • {by transversally movable elements}
33/0071	• • • {the swivel axis being inclined}	35/1081	• • • {the element is a wheel}
33/0073	{the swivel axis being symmetrical to wheel or	35/109	• • • {the element is an axle part}
	wheels}	35/12	 Torque-transmitting axles (independent suspension
33/0076	{the swivel axis being offset laterally from		aspects <u>B60G</u>)
	wheel center plane}	35/121	• • {Power-transmission from drive shaft to hub}
33/0078	• {characterised by details of the wheel braking	35/122	• • · {using gearings}
	mechanism}	35/124	• • • { of the helical or worm type }
33/0081	• • {acting on tire tread}	35/125	• • • {of the planetary type}
33/0084	• • {acting on axle end}	35/127	• • · {using universal joints}
33/0086	• • {acting on rim or side portion of tyre}	35/128	• • • • {of the homokinetic or constant velocity
33/0089	• • {acting on the floor}	22/11	type}
33/0092	• • {actuated remotely, e.g. by cable or electrically}	35/14	composite or split, e.g. half- axles; Couplings
33/0094	• • {actuated automatically}	25/16	between axle parts or sections
33/0097	• • {acting permanently, e.g. for increased security	35/16	• Axle housings
22/02	on low friction surfaces}	35/163	{characterised by specific shape of the housing,
33/02	• with disengageable swivel action {, i.e. comprising		e.g. adaptations to give space for other vehicle elements like chassis or exhaust system}
22/021	a swivel locking mechanism}	35/166	• • {characterised by reinforcements, e.g.
33/021	• {combined with braking of castor wheel}	<i>55/</i> 100	reinforcement ribs}
33/023	• {by using friction}	35/18	Arrangement of bearings
33/025	• • {by using form-fit, e.g. front teeth}		
33/026	• {being actuated remotely, e.g. by cable or	37/00	Wheel-axle combinations, e.g. wheel sets (units
22/029	electrically}		comprising multiple wheels arranged side-by-side
33/028	• • {being actuated automatically}	27/06	B60B 11/00; rail vehicle axle-boxes B61F)
33/04	adjustable {, e.g. in height; linearly shifting castors}• {mounted resiliently, by means of dampers}	37/02	the wheels being integral with solid axles
33/045		37/04	the wheels being rigidly attached to solid axles
33/06	mounted retractably	37/06	• the wheels being integral with, or rigidly attached
33/063	{by linear movement parallel to swivel axis}	27/00	to, hollow axles
33/066	 • • { by use of a hinge and lever mechanism to swing wheel upwards relative to wheel mount} 	37/08	the hollow axles being rotatable around fixed
33/08	Ball castors {(B60B 33/0028 takes precedence)}	27/10	axles
33/00	• Dani Castors ((Dood 33/0020 takes precedence))	37/10	 the wheels being individually rotatable around the axles
35/00	Axle units; Parts thereof (steerable vehicle stub	37/12	Axles with a fixed ground wheel and a loose wheel
	axles <u>B62D</u>){; Arrangements for lubrication of	51112	• Tantes with a fixed ground wheel and a roose wheel
	axles}		

39/00	Increasing wheel adhesion (wheels, wheel	2310/212	by drawing
	attachments or tyre attachments, designed for	2310/213	by punching
	increasing traction <u>B60B 15/00</u> , <u>B60C</u> ; tyre	2310/214	by extrusion
	constructions <u>B60C</u> ; road surface conditioning to	2310/218	by hydroforming
	prevent slipperiness <u>E01C</u>)	2310/221	by magnetic pulse forming
39/003	• {Vehicle mounted non-skid chains actuated by	2310/222	by twisting
	centrifugal force (non-skid devices temporarily	2310/224	by rolling
20/006	attachable to resilient tyres <u>B60C 27/00</u>)}	2310/226	by cutting
39/006	{characterised by a control system for the	2310/228	by machining
20/02	actuation of the rotating chain wheel} Vehicle fittings for scattering or dispensing material	2310/231	by turning
39/02	in front of its wheels	2310/232	by milling
39/021	. {Details of the dispensing device}	2310/234	by grinding
39/021	{related to reservoirs}	2310/238	by thermal spraying of molten material
39/023	{related to reservoirs} {related to metering valves}	2310/241	by weaving or knitting of fibers
39/024	• • {related to inetering varves} • • • {related to preconditioning of the dispensing	2310/242	by laminating, e.g. fabrication of sandwich sheets
37/021	materials}	2310/30	. joining
39/025	• • {related to the control system}	2310/302	• • by welding
39/026	• {the material being in gas form}	2310/3021	by autogen welding
39/027	• • {the gas being heated on purpose}	2310/3022	by spot welding, plug welding
39/028	{the gas being exhaust gas}	2310/3023	by arc welding, e.g. inert gas arc welding
39/04	 the material being granular, e.g. sand (combined) 	2310/3025	by thermal welding, e.g. friction, induction or
37/04	control of sanding apparatus and brakes of rail		ultrasonic welding
	vehicles <u>B61H</u>)	2310/3026	by laser welding
39/06	the dispensing being effected by mechanical	2310/3027	by electron beam welding
	means	2310/3028	by magnetic pulse welding
39/08	the dispensing being effected by fluid means	2310/303	by soldering
39/083	{dispensing being effected by liquid}	2310/305	by screwing
39/086	{dispensing being effected by gas}	2310/306	by clamping or wedging, e.g. by clamping inserts
39/10	the dispensing being controlled electrically or		as joining means
	electromagnetically	2310/307	• • by removably mountable securing elements, e.g.
39/12	electromagnetically the material being sheet-like or web-like		circlips
39/12		2310/311	circlips by riveting
39/12		2310/311 2310/3112	circlips by riveting by punch-riveting
	the material being sheet-like or web-like	2310/311	 circlips by riveting by punch-riveting by hemming or seaming, e.g. by folding of the
	the material being sheet-like or web-like Type of product being used or applied (kind of	2310/311 2310/3112 2310/312	 circlips by riveting by punch-riveting by hemming or seaming, e.g. by folding of the rim
2200/00	Type of product being used or applied (kind of vehicle product being used or applied <u>B60Y 2200/00</u>)	2310/311 2310/3112 2310/312 2310/314	circlips by riveting by punch-riveting by hemming or seaming, e.g. by folding of the rim by deformation
2200/00 2200/20	Type of product being used or applied (kind of vehicle product being used or applied <u>B60Y 2200/00</u>) Furniture or medical appliances	2310/311 2310/3112 2310/312 2310/314 2310/3142	circlips by riveting by punch-riveting by hemming or seaming, e.g. by folding of the rim by deformation by caulking
200/00 200/20 200/22	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs	2310/311 2310/3112 2310/312 2310/314 2310/3142 2310/316	 circlips by riveting by punch-riveting by hemming or seaming, e.g. by folding of the rim by deformation by caulking by press-fitting, shrink-fitting
200/00 2200/20 2200/22 200/222	 Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Office chairs 	2310/311 2310/3112 2310/312 2310/314 2310/3142 2310/316 2310/318	 circlips by riveting by punch-riveting by hemming or seaming, e.g. by folding of the rim by deformation by caulking by press-fitting, shrink-fitting by adhesive bonding, e.g. glueing
2200/00 2200/20 2200/22 2200/222 2200/224	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Office chairs Arm chairs	2310/311 2310/3112 2310/312 2310/314 2310/3142 2310/316 2310/318 2310/321	circlips • by riveting • by punch-riveting • by hemming or seaming, e.g. by folding of the rim • by deformation • by caulking • by press-fitting, shrink-fitting • by adhesive bonding, e.g. glueing • by overmolding
200/00 200/20 200/22 200/222 200/224 200/24	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Office chairs Beds	2310/311 2310/3112 2310/312 2310/314 2310/314 2310/316 2310/318 2310/321 2310/323	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion
200/00 200/20 200/22 200/222 200/224 200/24 200/242	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Arm chairs Beds Hospital beds	2310/311 2310/3112 2310/312 2310/314 2310/314 2310/316 2310/318 2310/321 2310/323 2310/329	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes
200/00 200/20 200/22 200/222 200/224 200/244 200/242 200/26	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs General Seds Hospital beds Hospital beds Medical appliances	2310/311 2310/3112 2310/312 2310/314 2310/314 2310/316 2310/318 2310/321 2310/323 2310/329 2310/50	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes . Thermal treatment
2200/00 2200/20 2200/22 2200/222 2200/224 2200/24 2200/24 2200/26 2200/40	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Furniture chairs Furn	2310/311 2310/3112 2310/312 2310/314 2310/3142 2310/316 2310/321 2310/321 2310/329 2310/50 2310/52	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by coextrusion . by splicing, e.g. of ropes . Thermal treatment . Curing
2200/00 2200/20 2200/22 2200/222 2200/224 2200/24 2200/24 2200/26 2200/40 2200/41	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Furniture chairs Furniture or medical appliances Fur	2310/311 2310/3112 2310/312 2310/314 2310/314 2310/316 2310/318 2310/321 2310/323 2310/329 2310/50 2310/52 2310/54	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes . Thermal treatment . Curing . Hardening
200/00 200/20 200/22 200/222 200/224 200/24 200/24 200/26 200/40 200/41 200/43	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Office chairs Feds Hospital beds Hospital beds Medical appliances Articles of daily use Waste bins Carts	2310/311 2310/3112 2310/312 2310/314 2310/3142 2310/316 2310/321 2310/323 2310/329 2310/50 2310/52 2310/54 2310/542	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes . Thermal treatment . Curing . Hardening . Quenching
200/00 200/20 200/22 200/222 200/224 200/24 200/24 200/26 200/40 200/41 200/43 200/432	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Office chairs Arm chairs Beds Hospital beds Medical appliances Articles of daily use Waste bins Carts Shopping carts	2310/311 2310/3112 2310/312 2310/314 2310/3142 2310/316 2310/321 2310/323 2310/329 2310/50 2310/52 2310/54 2310/542 2310/56	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes Thermal treatment . Curing . Hardening . Quenching . Co-curing; Vulcanisation
200/00 200/20 200/22 200/222 200/224 200/24 200/26 200/40 200/41 200/43 200/432 200/434	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Office chairs Arm chairs Beds Hospital beds Medical appliances Articles of daily use Waste bins Carts Shopping carts Wheel barrows	2310/311 2310/3112 2310/312 2310/314 2310/314 2310/316 2310/321 2310/323 2310/329 2310/50 2310/52 2310/54 2310/54 2310/56 2310/60	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes Thermal treatment . Curing . Hardening . Quenching . Co-curing; Vulcanisation Surface treatment; After treatment
200/00 200/20 200/22 200/222 200/224 200/24 200/24 200/40 200/41 200/43 200/432 200/434 200/45	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Furniture or medical appliances Furniture or medical	2310/311 2310/3112 2310/312 2310/314 2310/3142 2310/316 2310/321 2310/323 2310/329 2310/50 2310/52 2310/54 2310/542 2310/56	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes Thermal treatment . Curing . Hardening . Quenching . Co-curing; Vulcanisation
2200/00 2200/20 2200/22 2200/222 2200/224 2200/242 2200/242 2200/40 2200/41 2200/43 2200/432 2200/434 2200/434	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Chairs Hospital beds Hospital beds Medical appliances Articles of daily use Waste bins Carts Shopping carts Medicales or the barrows Suitcases Physical activity equipment, e.g. leisure or sports	2310/311 2310/3112 2310/312 2310/314 2310/314 2310/316 2310/321 2310/323 2310/329 2310/50 2310/52 2310/54 2310/54 2310/56 2310/60	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes . Thermal treatment . Curing . Hardening . Quenching . Co-curing; Vulcanisation . Surface treatment; After treatment . Polishing . Painting
200/00 200/20 200/22 200/222 200/224 200/24 200/24 200/40 200/41 200/43 200/43 200/43 200/43 200/45 200/47	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Chairs Furniture or medical appliances Furniture or	2310/311 2310/3112 2310/312 2310/314 2310/314 2310/316 2310/321 2310/323 2310/329 2310/50 2310/52 2310/54 2310/54 2310/56 2310/60 2310/60 2310/612	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes . Thermal treatment . Curing . Hardening . Quenching . Co-curing; Vulcanisation . Surface treatment; After treatment . Polishing
200/00 200/20 200/22 200/222 200/224 200/242 200/26 200/40 200/41 200/43 200/432 200/434 200/45 200/47	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Chairs Hospital beds Hospital beds Medical appliances Articles of daily use Waste bins Carts Shopping carts Medicales or the barrows Suitcases Physical activity equipment, e.g. leisure or sports	2310/311 2310/3112 2310/312 2310/314 2310/3142 2310/316 2310/321 2310/323 2310/329 2310/50 2310/52 2310/54 2310/54 2310/56 2310/60 2310/612 2310/614	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes . Thermal treatment . Curing . Hardening . Quenching . Co-curing; Vulcanisation . Surface treatment; After treatment . Polishing . Painting
200/00 200/20 200/22 200/222 200/224 200/24 200/26 200/40 200/41 200/43 200/432 200/434 200/45 200/47 200/49	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Chairs Furniture or medical appliances Furniture or	2310/311 2310/3112 2310/312 2310/314 2310/3142 2310/316 2310/321 2310/329 2310/50 2310/52 2310/54 2310/54 2310/56 2310/60 2310/612 2310/614 2310/616	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes Thermal treatment . Curing . Hardening . Quenching . Quenching . Co-curing; Vulcanisation Surface treatment; After treatment . Polishing . Painting . Coating with thin films
200/00 200/20 200/22 200/222 200/224 200/24 200/26 200/40 200/41 200/43 200/432 200/434 200/45 200/47 200/49 310/00	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Office chairs Hospital beds Medical appliances Articles of daily use Maste bins Carts Shopping carts Medicalses Physical activity equipment, e.g. leisure or sports articles Domestic appliances, e.g. vacuum cleaners	2310/311 2310/3112 2310/312 2310/314 2310/3142 2310/316 2310/321 2310/323 2310/50 2310/52 2310/54 2310/54 2310/56 2310/60 2310/612 2310/614 2310/616 2310/616 2310/618 2310/621	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes Thermal treatment . Curing . Hardening . Quenching . Quenching . Co-curing; Vulcanisation Surface treatment; After treatment . Polishing . Painting . Coating with thin films . Coating with foils . Electro-chemical processes
200/00 200/20 200/22 200/222 200/224 200/24 200/24 200/40 200/41 200/43 200/43 200/45 200/47 200/49 310/00 310/20	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Chairs Hospital beds Maste bins Carts Shopping carts Suitcases Physical activity equipment, e.g. leisure or sports articles Manufacturing methods	2310/311 2310/3112 2310/312 2310/314 2310/316 2310/318 2310/321 2310/323 2310/50 2310/52 2310/54 2310/56 2310/60 2310/612 2310/614 2310/616 2310/618 2310/621 2310/622	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes Thermal treatment . Curing . Hardening . Quenching . Co-curing; Vulcanisation Surface treatment; After treatment . Polishing . Painting . Coating with thin films . Conductive films . Coating with foils . Electro-chemical processes . Shot-peening
200/00 200/20 200/22 200/222 200/224 200/24 200/26 200/40 200/41 200/43 200/43 200/45 200/47 200/49 310/00 310/20 310/202	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Chairs Furniture or medical appliances Furniture or	2310/311 2310/3112 2310/312 2310/314 2310/3142 2310/316 2310/321 2310/323 2310/50 2310/52 2310/54 2310/54 2310/56 2310/60 2310/612 2310/614 2310/616 2310/616 2310/618 2310/621	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes . Thermal treatment . Curing . Hardening . Quenching . Quenching . Co-curing; Vulcanisation . Surface treatment; After treatment . Polishing . Painting . Coating with thin films . Conductive films . Coating with foils . Electro-chemical processes . Shot-peening . Effect of treatments
200/00 200/20 200/22 200/222 200/224 200/24 200/26 200/40 200/41 200/43 200/43 200/45 200/47 200/49 310/00 310/20 310/202	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Chairs Manufacturing methods Shaping Beds Product being used or applied B60Y 2200/00) Furniture or medical appliances Mind Beds Medical appliances Medical appliances Medical appliances Suitcases Physical activity equipment, e.g. leisure or sports articles Domestic appliances, e.g. vacuum cleaners	2310/311 2310/3112 2310/312 2310/314 2310/316 2310/318 2310/321 2310/323 2310/50 2310/52 2310/54 2310/56 2310/60 2310/612 2310/614 2310/616 2310/618 2310/621 2310/622	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes . Thermal treatment . Curing . Hardening . Quenching . Quenching . Co-curing; Vulcanisation . Surface treatment; After treatment . Polishing . Painting . Coating with thin films . Conductive films . Coating with foils . Electro-chemical processes . Shot-peening . Effect of treatments . Matted
200/00 200/20 200/22 200/222 200/224 200/24 200/26 200/40 200/41 200/43 200/43 200/47 200/49 310/00 310/20 310/204	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Chairs Manufacturing methods Suitcases Manufacturing methods Suitcases Manufacturing methods Suitcases Manufacturing methods Suitcaseigus Medical appliances, e.g. injection moulding, i.e. casting	2310/311 2310/3112 2310/312 2310/314 2310/314 2310/316 2310/321 2310/323 2310/329 2310/50 2310/52 2310/54 2310/56 2310/60 2310/612 2310/614 2310/616 2310/616 2310/618 2310/621 2310/622 2310/64	circlips
2200/00 2200/20 2200/22 2200/224 2200/224 2200/24 2200/24 2200/40 2200/41 2200/43 2200/43 2200/47 2200/47 2200/49 2310/20 2310/204 2310/204	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Chairs Furniture or medical appliances Furniture or	2310/311 2310/3112 2310/312 2310/314 2310/3142 2310/316 2310/321 2310/323 2310/50 2310/52 2310/54 2310/54 2310/60 2310/61 2310/616 2310/616 2310/616 2310/616 2310/618 2310/621 2310/64 2310/64 2310/64	circlips
2200/00 2200/20 2200/22 2200/222 2200/224 2200/24 2200/24 2200/26 2200/40 2200/41 2200/43 2200/43 2200/47 2200/49 2310/20 2310/204 2310/206 2310/206 2310/208	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Chairs Hospital beds Hospital beds Hospital beds Maticles of daily use Maste bins Carts Shopping carts Mheel barrows Suitcases Physical activity equipment, e.g. leisure or sports articles Domestic appliances, e.g. vacuum cleaners Manufacturing methods Shaping By casting By moulding, e.g. injection moulding, i.e. casting of plastics material by stamping	2310/311 2310/3112 2310/312 2310/314 2310/314 2310/316 2310/321 2310/329 2310/50 2310/52 2310/54 2310/54 2310/56 2310/61 2310/612 2310/616 2310/616 2310/616 2310/618 2310/621 2310/64 2310/642 2310/642 2310/644	circlips
39/12 2200/00 2200/20 2200/22 2200/22 2200/224 2200/24 2200/26 2200/40 2200/43 2200/43 2200/43 2200/47 2200/49 2310/20 2310/20 2310/204 2310/208 2310/208 2310/2082 2310/2082 2310/211	Type of product being used or applied (kind of vehicle product being used or applied B60Y 2200/00) Furniture or medical appliances Chairs Chairs Hospital beds Hospital beds Matticles of daily use Maste bins Carts Shopping carts Melical activity equipment, e.g. leisure or sports articles Physical activity equipment, e.g. vacuum cleaners Manufacturing methods Shaping by casting by moulding, e.g. injection moulding, i.e. casting of plastics material by stamping by forging	2310/311 2310/3112 2310/312 2310/314 2310/314 2310/316 2310/321 2310/329 2310/50 2310/52 2310/54 2310/54 2310/56 2310/60 2310/612 2310/616 2310/616 2310/616 2310/618 2310/621 2310/64 2310/644 2310/644 2310/646	circlips . by riveting . by punch-riveting . by hemming or seaming, e.g. by folding of the rim . by deformation . by caulking . by press-fitting, shrink-fitting . by adhesive bonding, e.g. glueing . by overmolding . by coextrusion . by splicing, e.g. of ropes Thermal treatment . Curing . Hardening . Quenching . Quenching . Polishing . Polishing . Coating with thin films . Conductive films . Coating with foils . Electro-chemical processes . Shot-peening . Matted . Polished . Engraved

2360/147 . . Castings

2310/654	Anti-corrosive	2360/148	Sinterings
2310/656	Decorative	2360/149	Metal foams
2310/658	For advertising	2360/30	Synthetic materials
2310/661	• • • for protection, e.g. against scratches or stone	2360/32	Plastic compositions
2010,001	chips	2360/322	Comprising polypropylene
2310/80	Filament winding	2360/324	Comprising polyurethane
	-	2360/33	Synthetic foams
2320/00	Manufacturing or maintenance operations	2360/34	Reinforced plastics
2320/10	Assembling; disassembling	2360/341	with fibres
2320/12	Assembly devices for spoked wheels	2360/3412	Glass fibres
2320/122	for spoke tensioning	2360/3414	Aramide fibres
2320/124	for trueing of spoked wheels	2360/3416	Carbone fibres
2320/126	for restoring form or removing local distortions	2360/3418	Aramid fibres
	of wheel rims in unassembled state	2360/342	With strands
2320/14	Assembly devices for divided rims	2360/3422	consisting of fibres oriented substantially
2320/16	Devices for attaching or removing cover discs,	2300/3422	parallel
	hub caps or other ornamental rings or elements	2360/3424	consisting of braided fibres
2320/30	• Balancing	2360/344	With woven material
2320/50	. Securing	2360/3442	characterised by material mixes
2320/52	to prevent loss	2360/3444	characterised by weaving patterns
2320/522	by locking washer	2360/346	Material impregnated with resin before being
2320/524	by securing plate	2300/310	put into form, i.e. prepregs
2340/00	Wheel transporting, Mounting of wheels	2360/3462	comprising strands
2340/10	• Operation mode	2360/3464	comprising woven material
2340/12	Operated manually	2360/348	Resins
2340/14	Power driven	2360/36	Composite materials
2340/16	Included in assembly line	2360/362	Compounded sheets
2340/18	Automated process	2360/364	comprising honeycomb structures
2340/30	Wheel transporting or handling devices	2360/366	comprising foams, e.g. synthetic or metal
2340/32	for gripping the wheel		foams
2340/34	• • for positioning the wheel to hub or boltholes	2360/368	Coproduced material combinations, e.g. By
2340/36	the devices being provided on a dolly		over-molding, co-extrusion, co-curing or
2340/50	Wheel mounting or removal devices		vulcanizing
2340/52	Auxiliary tools, e.g. For alignment	2360/50	. Rubbers
2340/70	Lifting jacks	2360/70	. Ceramics
•• • • • • • •		2360/90	. Wood
2360/00	Materials; Physical forms thereof	2360/92	. Leather
2360/10	Metallic materials	2360/94	Cardboard or papers
2360/102	Steel	2380/00	Bearings
2360/104	Aluminum	2380/00	. Type
2360/106	Magnesia	2380/10	
2360/108	Titanium	2380/12	·- · · ·
2360/109	. Bronze	2380/14	Roller bearings Needle bearings
2360/14	Physical forms of metallic parts	2380/18	Plain or sleeve bearings
2360/141	Sheet-metals	2380/18	Linear bearings
2360/143	Bars, i.e. being solid	2380/20	Magnetic bearings
2360/1432	of circular cross section	2380/22	Cage
2360/1434	of polygonal cross section, e.g. triangular or	2380/30	Without cage
2260/1426	rectangular	2380/32	Modularity
2360/1436	of elliptical cross section	2380/40	Single-piece
2360/144	Tubes, i.e. being hollow		
2360/1442	of circular cross section	2380/44 2380/50	Multi-piece Load bearing capacity
2360/1444	of rectangular cross section	2380/30	Rolling elements
2360/1446	of elliptical cross section	2380/60	Specific number
2360/1448	of irregular cross-section		-
2360/145	Profiles, i.e. being solid and having irregular eross section	2380/64	Specific shape
2360/1/52	cross-section	2380/70	Arrangements Single track
2360/1452	L-profiles T or H-Profiles	2380/71	Single track Double track
2260/1454	LOFFI-PTOLIES	2380/73	• • Double Hack
2360/1454		2380/75	Twin or multiple bearings beging identical
2360/1456	X or Y-Profiles	2380/75	Twin or multiple bearings having identical
		2380/75	Twin or multiple bearings having identical diameters

2380/76	• Twin or multiple bearings having different
	diameters
2380/77	Diameters of bearings at opposite ends of hub
2380/772	Identical diameters of bearings at opposite ends of hub
2380/774	• • Different diameters of bearings at opposite ends of hub
2380/80	Shafts specially adapted to receive bearings
2380/82	Caulked to fix race
2380/90	Casings or housings specially adapted to receive
	bearings
2380/92	Caulked to fix race
2900/00	Purpose of invention
2900/10	. Reduction of
2900/111	Weight
2900/112	Costs
2900/113	• • Production or maintenance time
2900/114	Size
2900/115	Complexity
2900/116	• Product variety, e.g. by standardisation or use of
2000/121	adapters
2900/121	• Resisting forces
2900/1212	due to friction
2900/1214 2900/1216	due to inertia due to air-drag
2900/1210	Vibrations
2900/131	. Noise
2900/141	. Corrosions
2900/20	Avoidance of
2900/211	Soiling
2900/212	Damage
2900/30	. Increase in
2900/311	Rigidity or stiffness
2900/313	Resiliency
2900/321	Lifetime
2900/323	Timespan between services
2900/325	Reliability
2900/331	Safety or security
2900/3312	during regular use
2900/3313 2900/3314	 during maintenance during production or assembly
2900/3314	during production or assembly by avoiding misuse
2900/3315	by avoiding misuse by indicating wear, failure or loss
2900/3318	by theft prevention
2900/351	• versatility, e.g. usable for different purposes or
	different arrangements
2900/50	. Improvement of
2900/511	Sealing
2900/5112	against dust or dirt
2900/5114	against humidity or water
2900/5116	against air-loss
2900/5118	against oil-loss
2900/513	. Cooling, e.g. of brakes
2900/521	Tire mounting or removal (devices therefor B60B 2340/50)
2900/523	Tire fixation on rim, e.g. fixing axially or
	circumferentially thereon
2900/531	User-friendliness
2900/541	Servicing
2900/551	Handling of obstacles or difficult terrains
2900/561	Lubrication

2900/571	Visibility
2900/572	Visual appearance
2900/70	Adaptation for
2900/711	High loads, e.g. by reinforcements
2900/721	Use under adverse external conditions
2900/731	Use in cases of damage, failure or emergency
2900/90	Providing or changing
2900/911	Eccentricity
2900/921	Conductivity
2900/931	Magnetic effects