# **CPC** COOPERATIVE PATENT CLASSIFICATION

## **B PERFORMING OPERATIONS; TRANSPORTING**

(NOTES omitted)

## **TRANSPORTING**

B60 VEHICLES IN GENERAL (NOTE omitted)

B60Q ARRANGEMENT OF SIGNALLING OR LIGHTING DEVICES, THE MOUNTING OR SUPPORTING THEREOF OR CIRCUITS THEREFOR, FOR VEHICLES IN GENERAL

#### **NOTES**

- 1. This subclass also covers the operation and control of lighting devices, for example:
  - arrangement or adaptation of lighting switches or signal-initiating means for vehicles;
  - control of lighting devices in relation to the vehicle as a whole, e.g. for levelling, swivelling or aiming.
- This subclass does not cover optical, mechanical, thermal or electrical arrangement of elements within lighting devices, which are covered by groups F21S 41/00 – F21S 45/00.
- 3. Attention is drawn to the Note following the title of class **B60**.

#### WARNING

The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

B60Q 1/128 B60Q 1/132	covered by covered by	<u>B60Q 1/124</u> B60Q 1/124
B60Q 1/136	covered by	B60Q 1/124

<b>1/00</b>	<ul> <li>Arrangement of optical signalling or lighting devices, the mounting or supporting thereof or circuits therefor (for lighting vehicle interior <u>B60Q 3/00</u>)</li> <li>{Devices preventing the lights from becoming dirty</li> </ul>	<ul> <li>1/0094 {Arrangement of electronic circuits separated from the light source, e.g. mounting of housings for starter circuits for discharge lamps (arrangements being part of the light source holder F21V 17/06, F21S 43/195)}</li> </ul>
1/0005	<ul> <li>(Devices preventing the rights from becoming dirty or damaged, e.g. protection grids or cleaning by air flow (windshield wipers for cleaning optical devices of vehicles <u>B60S 1/04</u>)}</li> </ul>	<ul> <li>1/02 the devices being primarily intended to illuminate the way ahead or to illuminate other areas of way or environments</li> </ul>
1/0011	• {with light guides for distributing the light between several lighting or signalling devices}	<ul> <li>1/04 . the devices being headlights</li> <li>1/0408 . {built into the vehicle body, e.g. details</li> </ul>
1/0017	• {Devices integrating an element dedicated to another function}	concerning the mounting of the headlamps on the vehicle body ( <u>B60Q 1/0491</u> , <u>B60Q 1/05</u>
1/0023	• • {the element being a sensor, e.g. distance sensor, camera}	take precedence, integrated front ends <u>B62D 25/00</u> )}
1/0029	• {Spatial arrangement}	1/0416 { the housing being mounted on the vehicle
1/0035	• • {relative to the vehicle}	body using rails}
1/0041	• • {of several lamps in relation to each other}	1/0425 { the housing being swivel mounted on the vehicle body }
1/0047	{Signalling unit mounted on a headlamp unit}	1/0433 { the housing being fastened onto the vehicle
1/0052 1/0058	<ul> <li>. {concentric}</li> <li>. {Stacked, i.e. one lamp located behind the other in the optical axis direction}</li> </ul>	body using screws (adjustable headlamp by rotation of a screw <u>B60Q 1/0683</u> )}
1/0064	<ul> <li>{with provision for maintenance, e.g. changing the light bulb (swivel arrangements <u>B60Q 1/0425</u>)}</li> </ul>	1/0441 { the housing being fastened onto the vehicle body using means other than screws }
1/007	• {via a removable cap}	1/045 {with provision for adjusting the alignment
1/0076	• {Switches therefor ( <u>B60Q 1/1446</u> , <u>B60Q 1/343</u> , <u>B60Q 1/40</u> take precedence)}	of the headlamp housing with respect to the vehicle body}
1/0082	• {mounted on the steering wheel}	1/0458 {the front cover being directly mounted onto
1/0088	• {Details of electrical connections ( <u>B60Q 1/305</u> takes precedence; electrical connection of the light source itself <u>F21S 41/192</u> , <u>F21S 43/195</u> )}	<ul> <li>the vehicle body}</li> <li>1/0466 {with arrangement for sealing the headlamp with respect to the vehicle body, or for concealling gaps between the headlamp and the vehicle body}</li> </ul>

1/0475	• • • • { with provisions for pre-mounting, for temporary holding the headlamp before or during final mounting }
1/0483	• • • {mounted on a bracket, e.g. details concerning the mouting of the lamps on the vehicle body}
1/0491	• • {Shock absorbing devices therefor}
1/0495	• • • {Frangible brackets}
1/05	• • • retractable
1/06	• • • adjustable, e.g. remotely-controlled from inside
	vehicle ( <u>B60Q 1/05</u> takes precedence)
1/064	by fluid means
1/068	• • • by mechanical means
1/0683	• • • • • {Adjustable by rotation of a screw}
1/0686	••••• {using a position indicator mounted on the headlight and permanently attached thereto}
1/072	comprising a flexible element, e.g. chain
1/076	by electrical means {including means to
	transmit the movements, e.g. shafts or joints}
1/08	automatically
1/085	• • • • {due to special conditions, e.g.
	adverse weather, type of road, badly
	illuminated road signs or potential dangers ( <u>B60Q 1/10</u> , <u>B60Q 1/12</u> , <u>B60Q 1/1423</u> take precedence)}
1/10	due to vehicle inclination, e.g. due to load
	distribution
1/105	••••• by fluid means
1/11	by mechanical means
1/115	••••• by electric means { (details of the
	electric drive components, e.g. motors,
	shafts, ball joints <u>B60Q 1/076</u> )}
1/12	• • • • due to steering position
1/121	••••• { with fluid actuating means }
1/122	••••• {with electrical actuating means (details
	of the electric drive components, e.g. motors, shafts, ball joints <u>B60Q 1/076</u> )}
1/124	by mechanical means
1/14	• • • having dimming means
1/1407	• • • • {General lighting circuits comprising
	dimming circuits}
1/1415	• • • • {Dimming circuits}
1/1423	• • • • • {Automatic dimming circuits, i.e.
	switching between high beam and low
	beam due to change of ambient light or
	light level in road traffic }
1/143	••••• {combined with another condition, e.g.
	using vehicle recognition from camera
	images or activation of wipers}
1/1438	{Actuating means for dimming masks or
	screens}
1/1446	• • • • {controlled by mechanically actuated
	switches}
1/1453	{Hand actuated switches}
1/1461	{Multifunction switches for dimming
	headlights and controlling additional devices, e.g. for controlling direction indicating lights}
1/1469	
	lever, e.g. steering column stalk
	switches}

1/1476	••••••• {comprising switch controlling
	means located near the free end
	of the lever, e.g. press buttons,
	rotatable rings}
1/1484	••••• {mounted on the steering wheel}
1/1492	• • • • {Foot actuated switches}
1/16	illuminating the way asymmetrically
1/18	• • • being additional front lights {(bracket mounted
	headlights <u>B60Q 1/0483</u> )}
1/20	••• Fog lights
1/22	• • for reverse drive
1/24	for lighting other areas than only the way ahead
1/245	• • • {Searchlights, e.g. adjustable from within the
	vehicle (adjustable headlights <u>B60Q 1/06</u> )}
1/247	• • • {for illuminating the close surroundings of
	the vehicle, e.g. to facilitate entry or exit (for
	reverse drive <u>B60Q 1/22</u> ; by opening a side
	door <u>B60Q 1/323</u> )}
1/249	• • {for illuminating the field of view of a sensor or camera}
1/26	• the devices being primarily intended to indicate the
	vehicle, or parts thereof, or to give signals, to other
	traffic
1/2603	• • {Attenuation of the light according to ambient
	luminiosity, e.g. for braking or direction
	indicating lamps}
1/2607	• • {comprising at least two indicating lamps}
1/2611	• • {Indicating devices mounted on the roof of the
	vehicle}
1/2615	• • {mounted on the vehicle body, e.g. with magnets}
1/2619	• • {built in the vehicle body}
1/2623	• • {Details of the fastening means}
1/2626	{Screw-nut fasteners}
1/263	• • • • {Snap-in fasteners}
1/2634	• • • {Fastening by rotating the device housing
	about its longitudinal axis, e.g. bayonet
1/2/20	fasteners}
1/2638	• • • {Positioning the device housing by indexing means separate from the fastening means, e.g.
	pins, rails }
1/2642	• • • {with provision for adjusting the alignment of
1/2042	the device housing with respect to the vehicle
	body}
1/2646	• • • {using dowels or expansible elements}
1/2649	• • • { with provision for pre-mounting or temporary
	holding the device before or during final
	mounting}
1/2653	• • • {with arrangement for sealing the device with
	respect to the vehicle body, or for concealing
	gaps between the device and the vehicle body}
1/2657	• • {mounted on a shaft, e.g. telescopic}
1/2661	• • {mounted on parts having other functions (on
	wheels <u>B60Q 1/326</u> )}
1/2665	• • • {on rear-view mirrors (lighting devices for
	vehicle interior on or for rear-view mirrors
1/2669	<ul> <li><u>B60Q 3/258</u>)}</li> <li>• {on door or boot handles (lighting devices for</li> </ul>
1/2009	• • {on door or boot handles (lighting devices for vehicle interior on door handles <u>B60Q 3/267</u> )}
1/2673	• • {on parts worn by the driver, e.g. clothes,
1,2015	gloves or bags, specially adapted to provide
	auxiliary vehicle signalling}
1/2676	• • • • {Helmets}

1/268	• • • {on windscreens or windows ( <u>B60Q 1/302</u> takes precedence; lighting devices for vehicle interior on or for windows <u>B60Q 3/208</u> )}
1/2684	• • {on wipers or windscreen washers}
1/2688	• • { on exhaust pipes }
1/2692	• {retractable lights (retractable headlights
1,20,2	B60Q 1/05)}
1/2696	• • {Mounting of devices using LEDs}
1/28	• for indicating front of vehicle
1/30	• for indicating rear of vehicle, e.g. by means of
1/50	reflecting surfaces
1/301	• • {by means of surfaces, e.g. metal plate,
	reflecting the light of an external light source}
1/3015	{combined with a lamp}
1/302	• • • {mounted in the vicinity, e.g. in the middle, of
1/302	a rear window}
1/303	• • • {Rear fog lamps}
1/304	• • • {Adaptations of signalling devices having a
1,501	part on the vehicle body and another on the
	boot door}
1/305	• • {Indicating devices for towed vehicles}
1/307	<ul> <li>. (mounted on loading platforms)</li> </ul>
1/307	<ul> <li>for indicating vehicle sides {, e.g. clearance</li> </ul>
1/52	lights}
1/323	• • {on or for doors (illuminated exterior door
1/525	handles <u>B60Q 1/2669</u> ; illuminated door locks
	E05B 17/10
1/324	• • • { for signalling that a door is open or intended
1/524	to be opened}
1/325	• • {on or for running boards or steps}
1/326	• • {on or for wheels}
1/320	<ul> <li>for indicating change of drive direction</li> </ul>
1/54	( <u>B60Q 1/22</u> takes precedence)
1/343	• • {Manually actuated switching arrangements
	therefor (hand actuated multifunction switches
	<u>B60Q 1/1461; B60Q 1/40</u> takes precedence)}
1/346	• • • {with automatic actuation}
1/36	• • • using movable members, e.g. arms with built-in
	flashing lamps
1/38	using immovably-mounted light sources, e.g.
	fixed flashing lamps
1/381	• • • • { with several light sources activated in
	sequence, e.g. to create a sweep effect}
1/382	• • • • {Electronic temporisation with
	semiconductor amplification}
1/385	• • • • {Electronic temporisation with relay
	amplification }
1/387	{Mechanical temporisation}
1/40	• • • having {mechanical, electric or electronic}
	automatic return to inoperative position
1/42	• • • • {having mechanical automatic return to
	inoperative position} due to steering-wheel
1/105	position {, e.g. with roller wheel control}
1/425	•••• {using a latching element for resetting a
	switching element}
1/44	• for indicating braking action {or preparation for
1/44	• for indicating braking action {or preparation for braking, e.g. by detection of the foot approaching
	• for indicating braking action {or preparation for braking, e.g. by detection of the foot approaching the brake pedal}
1/44	<ul> <li>for indicating braking action {or preparation for braking, e.g. by detection of the foot approaching the brake pedal}</li> <li>{Electric switches operable by the driver's</li> </ul>
1/441	<ul> <li>for indicating braking action {or preparation for braking, e.g. by detection of the foot approaching the brake pedal}</li> <li>{Electric switches operable by the driver's pedals}</li> </ul>
	<ul> <li>for indicating braking action {or preparation for braking, e.g. by detection of the foot approaching the brake pedal}</li> <li>{Electric switches operable by the driver's pedals}</li> <li>{visible on the front side of the vehicle, e.g. for</li> </ul>
1/441	<ul> <li>for indicating braking action {or preparation for braking, e.g. by detection of the foot approaching the brake pedal}</li> <li>{Electric switches operable by the driver's pedals}</li> </ul>

1/444	• • • {with indication of the braking strength or
	speed changes, e.g. by changing shape or
	intensity of the indication ( $B60Q 1/1407$ ,
1/445	<u>B60Q 1/442</u> , <u>B60Q 1/447</u> take precedence)}
1/445	{controlled by inertial devices}
1/447	• • • • {with indication of the braking strength or
	speed changes, e.g. by changing the shape or intensity of the indication }
1/1/0	• • {specially adapted for vehicles with ABS}
1/448 1/46	<ul> <li>• {specially adapted for vehicles with ABS}</li> <li>• for giving flashing caution signals during drive,</li> </ul>
1/40	other than signalling change of direction, e.g.
	flashing the headlights {or hazard lights}
1/48	• • for parking purposes
1/482	• • {for locating vehicle in parking lot}
1/484	• • { for showing outline of vehicle }
1/486	• • {for indicating that vehicle is in a parked state}
1/488	• • • {for indicating intention to park}
1/50	• for indicating other intentions or conditions, e.g.
	request for waiting or overtaking
1/503	• • • {using luminous text or symbol displays in or
	on the vehicle, e.g. static text}
1/5035	• • • • {electronic displays}
1/5037	•••• {the display content changing
	automatically, e.g. depending on traffic situation}
1/506	• • {specific to silent vehicles, e.g. for warning that
1/300	a hybrid or electric vehicle is approaching}
1/507	<ul> <li> {specific to autonomous vehicles}</li> </ul>
1/508	• • {specific to vehicles driving in fleets or
	convoys}
1/509	• • • {specific to unauthorised use, e.g. for
	indicating stolen vehicles or infringements of
	traffic rules}
1/52	for indicating emergencies
1/525	• • • {automatically indicating risk of collision between vehicles in traffic or with pedestrians,
	e.g. after risk assessment using the vehicle
	sensor data}
1/535	• • • {to prevent rear-end collisions, e.g. by
	indicating safety distance at the rear of the
	vehicle}
1/54	for indicating speed {outside of the vehicle}
1/543	• • { for indicating other states or conditions of the
	vehicle (indicating taxis' state of hire or fare <u>G07B 13/045</u> )}
1/544	• • { for indicating other states or conditions of the
1/5/11	vehicle occupants, e.g. for indicating disabled
	occupants}
1/545	• • • {for indicating other traffic conditions, e.g. fog,
	heavy traffic }
1/547	• • { for issuing requests to other traffic
	participants; for confirming to other traffic
	participants they can proceed, e.g. they can overtake}
1/549	• • { for expressing greetings, gratitude or
1/5/1/	emotions}
1/56	• • for illuminating registrations or the like {, e.g. for
	licence plates}
3/00	Arrangement of lighting devices for vehicle
2,00	interiors; Lighting devices specially adapted for
	vehicle interiors
3/10	• for dashboards
3/12	lighting onto the surface to be illuminated

3/14 3/16	<ul><li>lighting through the surface to be illuminated</li><li>Circuits; Control arrangements</li></ul>	3/745	• • { using lighting panels or mats, e.g. electro- luminescent panels, LED mats }
3/18	• • • for varying the light intensity	3/76	• for spotlighting, e.g. reading lamps (spotlighting
3/20	<ul> <li>for lighting specific fittings of passenger or driving compartments; mounted on specific fittings of</li> </ul>		on or for specific fittings <u>B60Q 3/20</u> ; spotlighting in mass transit vehicles <u>B60Q 3/44</u> )
	passenger or driving compartments (lighting for dashboards <u>B60Q 3/10</u> )	3/78	• for generating luminous strips, e.g. for marking trim component edges
3/208	• • Sun roofs; Windows	3/80	• Circuits; Control arrangements (for dashboards <u>B60Q 3/16;</u> for mass transit vehicles <u>B60Q 3/47</u> )
3/217 3/225	<ul> <li>Doors, e.g. door sills; Steps</li> <li>Small compartments, e.g. glove compartments</li> </ul>	3/82	• Switches specially adapted for vehicle interior
3/229	• • {Cup holders}		lighting, e.g. switching by tilting the lens
3/233	. Seats; Arm rests; Head rests	3/85	• for manual control of the light, e.g. of colour, orientation or intensity
3/242 3/252	Safety belts; Body harnesses     Sun visors	3/88	• Means for plugging to the electrical power supply
3/258	Rear-view mirrors		of the vehicle, e.g. by using cigarette lighter
3/267	. Door handles; Hand grips		sockets
3/275	• Smoking-related fittings, e.g. cigarette lighters or ashtrays	5/00	Arrangement or adaptation of acoustic signal devices
3/283	• Steering wheels; Gear levers	5/001	• {Switches therefor}
3/292 3/30	<ul><li>Ignition locks</li><li>for compartments other than passenger or driving</li></ul>	5/003 5/005	<ul><li> {mounted on the steering wheel}</li><li> {automatically actuated}</li></ul>
5/50	compartments, e.g. luggage or engine compartments	5/005	<ul> <li>(automatically actualed)</li> <li>(indicating risk of collision between vehicles or</li> </ul>
3/35	• Portable lighting devices		with pedestrians }
3/40 3/41	<ul> <li>specially adapted for specific vehicle types</li> <li>for mass transit vehicles, e.g. buses</li> </ul>	5/008	• {for signaling silent vehicles, e.g. for warning that a hybrid or electric vehicle is approaching}
3/43	General lighting	= 100	
3/44	• • • Spotlighting, e.g. reading lamps	7/00	Arrangement or adaptation of portable emergency signal devices on vehicles
3/46	• • Emergency lighting, e.g. for escape routes	7/005	• {Devices without lamps}
3/47	Circuits; Control arrangements	7/02	• to be attached to overhanging loads or extending
3/49	<ul> <li>for vehicles with non-fixed roofs, e.g. convertibles</li> </ul>		parts of vehicle
3/50	• Mounting arrangements (for compartments other than passenger or driving compartments <u>B60Q 3/30</u> ; specially adapted for specific vehicle types	9/00	Arrangement or adaptation of signal devices not provided for in one of main groups <u>B60Q 1/00</u> - <u>B60Q 7/00</u> {, e.g. haptic signalling}
3/51	<ul> <li><u>B60Q 3/40</u>)</li> <li>for mounting lighting devices onto vehicle</li> </ul>	9/001	• {Alarm devices when the motor is stopped and the lights are on}
5/51	interior, e.g. onto ceiling or floor	9/002	• {for parking purposes, e.g. for warning the driver
3/53	• • Modular mounting systems, e.g. using tracks, rails or multiple plugs		that his vehicle has contacted or is about to contact an obstacle (warning arrangements in garages
3/54	• Lighting devices embedded in interior trim, e.g.	9/003	<ul> <li><u>E04H 6/42</u>)</li> <li>{using physical contactors, e.g. arms that trigger</li> </ul>
3/56	<ul><li>in roof liners</li><li>Lighting devices mounted on elongate supports,</li></ul>		alarm upon contact with obstacle}
3/57	e.g. on flexible arms <ul> <li>Retractable or concealable lighting devices</li> </ul>	9/004	• {using wave sensors (radar designed for anti- collision purposes between land vehicles or
3/59	<ul> <li>Lighting devices mounted in the vehicle interior</li> </ul>		between land vehicles and fixed obstacles
	and adapted for portability	0/005	$\frac{G01S \ 13/931}{(vaire a video comerce)}$
3/60	• characterised by optical aspects	9/005 9/006	<ul> <li> {using a video camera}</li> <li> {using a distance sensor}</li> </ul>
3/62 3/64	<ul> <li>using light guides</li> <li>for a single lighting device</li> </ul>	9/007	• {providing information about the distance to an
3/66	for distributing light among several lighting devices	9/008	<pre>obstacle, e.g. varying sound} . {for anti-collision purposes}</pre>
3/68	• • using ultraviolet light	11/00	Arrangement of monitoring devices for devices
3/70	• characterised by the purpose		provided for in groups <u>B60Q 1/00</u> - <u>B60Q 9/00</u>
3/72 3/731	<ul> <li>for preventing the driver from being dazzled</li> <li>{for autonomous vehicle travel}</li> </ul>	11/002	• {Emergency driving lights in the event of failure of the principal lighting circuit}
3/735	<ul> <li>. {for preventing discomfort, e.g. for preventing</li> </ul>	11/005	• {for lighting devices, e.g. indicating if lamps are
	motion sickness or for anticipating motion}		burning or not}
3/74	<ul> <li>for overall compartment lighting; for overall compartment lighting in combination with specific lighting, e.g. room lamps with reading</li> </ul>	11/007	• • {the lighting devices indicating change of drive direction}
	lamps (general lighting mounted on specific	2200/00	Special features or arrangements of vehicle
	fittings <u>B60Q 3/20;</u> general lighting for mass		headlamps

2200/30	• Special arrangements for adjusting headlamps, e.g.
	means for transmitting the movements for adjusting
	the lamps
2200/32	Ball-joints
2200/34	• Deformable parts, i.e. the adjustment is performed
	by bending or stretching a part
2200/36	• Conjoint adjustments, i.e. a mechanical link
	allows conjoint adjustment of several units
2200/38	. Automatic calibration of motor-driven means for
	adjusting headlamps, i.e. when switching on the
	headlamps, not during mounting at factories
2300/00	Indexing codes for automatically adjustable
	headlamps or automatically dimmable headlamps
2300/05	. Special features for controlling or switching of the
	light beam
2300/052	• • Switching delay, i.e. the beam is not switched or
	changed instantaneously upon occurrence of a
	condition change
2300/054	• Variable non-standard intensity, i.e. emission of
	various beam intensities different from standard
	intensities, e.g. continuous or stepped transitions
2200/056	of intensity
2300/056	• Special anti-blinding beams, e.g. a standard beam
2200/10	is chopped or moved in order not to blind Indexing codes relating to particular vehicle
2300/10	conditions
2300/11	Linear movements of the vehicle
2300/11	Vehicle speed
2300/112	Vehicle acceleration or deceleration
2300/114	Vehicle at a stop
2300/110	
2300/12	Steering parameters     Steering angle
2300/122	Steering speed
2300/124	But the speed of the speed
2300/128	Steering dead zone
2300/120	Attitude of the vehicle body
2300/132	· · · Pitch
2300/134	••• Yaw
2300/136	Roll
2300/14	• • Other vehicle conditions
2300/142	••• Turn signal actuation
2300/144	Rearward ratio actuation
2300/146	Abnormalities, e.g. fail-safe
2300/20	. Indexing codes relating to the driver or the
	passengers
2300/21	• • Manual control
2300/22	• • Seat occupation
2300/23	• • Driver's line of sight
2300/30	. Indexing codes relating to the vehicle environment
2300/305	Calendar date or clock time
2300/31	Atmospheric conditions
2300/312	Adverse weather
2300/314	Ambient light
2300/32	Road surface or travel path
2300/322	Road curvature
2300/324	Road inclination, e.g. uphill or downhill
2300/33	. Driving situation
2300/331	• • characterised by the driving side, e.g. on the
	left or right hand side
2300/332	• • • on city roads
2300/3321	Detection of streetlights
2300/333	• • • on suburban or country roads

2300/334	• • • on motorways
2300/335	Number or size of road lanes
2300/336	Crossings
2300/337	Tunnels or bridges
2300/338	Overtaking
2300/40	. Indexing codes relating to other road users or
	special conditions
2300/41	• • preceding vehicle
2300/42	• • oncoming vehicle
2300/43	• • following vehicle
2300/45	• • Special conditions, e.g. pedestrians, road signs or
	potential dangers
2300/47	• • Direct command from other road users, i.e. the
	command for switching or changing the beam is sent by other vehicles or road devices
	-
2400/00	Special features or arrangements of exterior signal
2400/10	lamps for vehicles
2400/10	• Electro- or photo- luminescent surfaces, e.g. signalling by way of electroluminescent strips or
	panels
2400/20	• Multi-color single source or LED matrix, e.g.
2100/20	yellow blinker and red brake lamp generated by
	single lamp
2400/30	• Daytime running lights [DRL], e.g. circuits or
	arrangements therefor
2400/40	• Welcome lights, i.e. specific or existing exterior
	lamps to assist leaving or approaching the vehicle
2400/50	• Projected symbol or information, e.g. onto the road
2400/50	
2400/50 2500/00	• Projected symbol or information, e.g. onto the road
	• Projected symbol or information, e.g. onto the road or car body
	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle</li> </ul>
2500/00	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps         <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the</li> </ul> </li> </ul>
<b>2500/00</b> 2500/20	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps         <ul> <li>associated with air conditioning arrangements</li> </ul> </li> </ul>
<b>2500/00</b> 2500/20 2500/30	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> </ul>
<b>2500/00</b> 2500/20	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps         <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the</li> </ul> </li> </ul>
<b>2500/00</b> 2500/20 2500/30	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> <li>Features related to particular types of vehicles not</li> </ul>
2500/00 2500/20 2500/30 2800/00	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> <li>Features related to particular types of vehicles not otherwise provided for <ul> <li>Autonomous vehicles</li> </ul> </li> </ul>
2500/00 2500/20 2500/30 2800/00 2800/10	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> <li>Features related to particular types of vehicles not otherwise provided for</li> </ul>
2500/00 2500/20 2500/30 2800/00 2800/10	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> <li>Features related to particular types of vehicles not otherwise provided for <ul> <li>Autonomous vehicles</li> <li>Utility vehicles, e.g. for agriculture, construction</li> </ul> </li> </ul>
<b>2500/00</b> 2500/20 2500/30 <b>2800/00</b> 2800/10 2800/20 2800/30	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> <li>Features related to particular types of vehicles not otherwise provided for <ul> <li>Autonomous vehicles</li> <li>Utility vehicles, e.g. for agriculture, construction work</li> <li>Mass transport vehicles</li> </ul> </li> </ul>
<b>2500/00</b> 2500/20 2500/30 <b>2800/00</b> 2800/10 2800/20	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> <li>Features related to particular types of vehicles not otherwise provided for <ul> <li>Autonomous vehicles</li> <li>Utility vehicles, e.g. for agriculture, construction work</li> <li>Mass transport vehicles</li> </ul> </li> <li>Features of lamps not covered by other groups in</li> </ul>
2500/00 2500/20 2500/30 2800/00 2800/10 2800/20 2800/30 2900/00	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> <li>Features related to particular types of vehicles not otherwise provided for <ul> <li>Autonomous vehicles</li> <li>Utility vehicles, e.g. for agriculture, construction work</li> <li>Mass transport vehicles</li> </ul> </li> <li>Features of lamps not covered by other groups in B60Q</li> </ul>
<b>2500/00</b> 2500/20 2500/30 <b>2800/00</b> 2800/10 2800/20 2800/30	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> <li>Features related to particular types of vehicles not otherwise provided for <ul> <li>Autonomous vehicles</li> <li>Utility vehicles, e.g. for agriculture, construction work</li> <li>Mass transport vehicles</li> </ul> </li> <li>Features of lamps not covered by other groups in B60Q <ul> <li>Retrofit arrangements</li> </ul> </li> </ul>
<b>2500/00</b> 2500/20 2500/30 <b>2800/00</b> 2800/10 2800/20 2800/30 <b>2900/00</b> 2900/10	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> <li>Features related to particular types of vehicles not otherwise provided for <ul> <li>Autonomous vehicles</li> <li>Utility vehicles, e.g. for agriculture, construction work</li> <li>Mass transport vehicles</li> </ul> </li> <li>Features of lamps not covered by other groups in B60Q</li> </ul>
<b>2500/00</b> 2500/20 2500/30 <b>2800/00</b> 2800/10 2800/20 2800/30 <b>2900/00</b> 2900/10	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> <li>Features related to particular types of vehicles not otherwise provided for <ul> <li>Autonomous vehicles</li> <li>Utility vehicles, e.g. for agriculture, construction work</li> </ul> </li> <li>Mass transport vehicles</li> <li>Features of lamps not covered by other groups in B60Q</li> <li>Retrofit arrangements</li> <li>Arrangements for easy recycling, e.g. for easy</li> </ul>
<b>2500/00</b> 2500/20 2500/30 <b>2800/00</b> 2800/10 2800/20 2800/30 <b>2900/00</b> 2900/10 2900/10 2900/20	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> <li>Features related to particular types of vehicles not otherwise provided for <ul> <li>Autonomous vehicles</li> <li>Utility vehicles, e.g. for agriculture, construction work</li> </ul> </li> <li>Mass transport vehicles</li> <li>Features of lamps not covered by other groups in B60Q</li> <li>Retrofit arrangements</li> <li>Arrangements for easy recycling, e.g. for easy dismantling or use of special materials</li> </ul>
<b>2500/00</b> 2500/20 2500/30 <b>2800/00</b> 2800/20 2800/20 2800/30 <b>2900/00</b> 2900/10 2900/20 2900/30	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> <li>Features related to particular types of vehicles not otherwise provided for <ul> <li>Autonomous vehicles</li> <li>Utility vehicles, e.g. for agriculture, construction work</li> </ul> </li> <li>Mass transport vehicles</li> <li>Features of lamps not covered by other groups in B60Q <ul> <li>Retrofit arrangements</li> <li>Arrangements for easy recycling, e.g. for easy dismantling or use of special materials</li> <li>Lamps commanded by wireless transmissions</li> </ul> </li> </ul>
<b>2500/00</b> 2500/20 2500/30 <b>2800/00</b> 2800/20 2800/20 2800/30 <b>2900/00</b> 2900/10 2900/20 2900/30	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> <li>Features related to particular types of vehicles not otherwise provided for <ul> <li>Autonomous vehicles</li> <li>Utility vehicles, e.g. for agriculture, construction work</li> <li>Mass transport vehicles</li> </ul> </li> <li>Features of lamps not covered by other groups in B60Q <ul> <li>Retrofit arrangements</li> <li>Arrangements for easy recycling, e.g. for easy dismantling or use of special materials</li> <li>Lamps commanded by wireless transmissions</li> <li>Several lamps activated in sequence, e.g. sweep effect, progressive activation</li> <li>Arrangements to reconfigure features of lighting or</li> </ul> </li> </ul>
2500/00 2500/20 2500/30 2800/00 2800/20 2800/20 2800/30 2900/00 2900/10 2900/20 2900/30 2900/30 2900/40	<ul> <li>Projected symbol or information, e.g. onto the road or car body</li> <li>Special features or arrangements of vehicle interior lamps <ul> <li>associated with air conditioning arrangements</li> <li>Arrangements for illuminating different zones in the vehicle, e.g. front/rear, different seats</li> </ul> </li> <li>Features related to particular types of vehicles not otherwise provided for <ul> <li>Autonomous vehicles</li> <li>Utility vehicles, e.g. for agriculture, construction work</li> <li>Mass transport vehicles</li> </ul> </li> <li>Features of lamps not covered by other groups in B60Q <ul> <li>Retrofit arrangements</li> <li>Arrangements for easy recycling, e.g. for easy dismantling or use of special materials</li> <li>Lamps commanded by wireless transmissions</li> <li>Several lamps activated in sequence, e.g. sweep effect, progressive activation</li> </ul> </li> </ul>