

CPC**COOPERATIVE PATENT CLASSIFICATION****B60Q**

VEHICLE LIGHTING OR SIGNALLING (arrangement of signalling or lighting devices, the mounting or supporting thereof for rail vehicles B61D, for cycles B62J, for ships B63B, for aircrafts B64D; lighting in general, lighting devices per se F21, H05B; signalling in general G08; electric switches per se H01H)

NOTE

This subclass covers also:

- electric signalling of lighting circuits so far as specially arranged in vehicles;
- arrangements or adaptations of lighting switches or signal-initiating means

Attention is drawn to the Note following the title of class B60

Attention is drawn to the following places :

[B60K 28/00](#) Safety devices, e.g. sleeping driver
[B60R25](#) Anti theft
[B62D](#) Driving assistance
[B62D 15/02](#) Steering aids
[B60K 31/0008](#) Cruise control
[F21S 48/00](#) Lighting devices or systems specially adapted for vehicles
[G01S](#) Infra red night vision
[G01S 13/931](#) Anti Collision
[G05D 1/00](#) Automatic pilot
[G06K 9/00](#) Pattern recognition
[G06T 3/00](#) Image transformation
[G06T 5/00](#) Image enhancement
[G06T 7/00](#) Image analysis
[G08B 21/00](#) Alarms in general
[G08G](#) Traffic control
[G08G 1/16](#) Anti-collision systems
[H04N](#) Television systems

WARNING

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

[B60Q 1/128](#) covered by [B60Q 1/124](#)
[B60Q 1/132](#) covered by [B60Q 1/124](#)
[B60Q 1/136](#) covered by [B60Q 1/124](#)

B60Q 1/00

Arrangements or adaptations of optical signalling or lighting devices (for lighting vehicle interior [B60Q 3/00](#); { circuit arrangements for electric light sources in general [H05B 37/00](#)})

B60Q 1/0005

- {Devices preventing the lights from becoming dirty or damaged (protecting lighting devices from damage in general [F21V 15/00](#)), e.g. protection grids (fastening of grids or protective cages in general [F21V 17/00](#)), cleaning by air flow (windshield wipers for

- cleaning optical devices of vehicles [B60S 1/04](#)}}
- B60Q 1/0011 . { with light guides for distributing the light between several lighting or signalling devices (using light guides inside a single device [F21S 8/00](#), light guides per se [G02B 6/0001](#))}
- B60Q 1/0017 . { Devices integrating an element dedicated to another function}
- B60Q 1/0023 .. { the element being a sensor, e.g. distance sensor, camera}
- B60Q 1/0029 . { Spatial arrangement}
- B60Q 1/0035 .. { relative to the vehicle}
- B60Q 1/0041 .. { of several lamps in relation to each other}
- B60Q 1/0047 ... { Signalling unit mounted on a headlamp unit}
- B60Q 1/0052 ... { concentric}
- B60Q 1/0058 ... { Stacked, i.e. one lamp located behind the other in the optical axis direction}
- B60Q 1/0064 . { with provision for maintenance, e.g. changing the light bulb (swivel arrangements [B60Q 1/0425](#); fastening of covers [F21V 17/00M](#); changing light sources in general [F21V 19/04](#); fastening of light sources or lamp holders [F21V 19/00M](#), [F21V 19/00Q](#))}
- B60Q 1/007 .. { via a removable cap (fastening of the light source by a cap holding the light source [F21V 19/00M](#), [F21V 19/00Q](#))}
- B60Q 1/0076 . { Switches therefor ([B60Q 1/1446](#), [B60Q 1/343](#), [B60Q 1/40](#) take precedence, arrangements or fitting of control knobs on dashboard [B60K 37/06](#))}
- B60Q 1/0082 .. {mounted on the steering wheel}
- B60Q 1/0088 . { Details of electrical connections ([B60Q 1/305](#) takes precedence; electrical connectors in general H01R; electrical connection of the light source itself [F21V 19/00M2](#), [F21V 19/00Q2](#))}
- B60Q 1/0094 .. { Arrangement of electronic circuits separated from the light source (e.g. mounting of housings for starter circuits for discharge lamps, circuits per se H05B, arrangements being part of the light source holder [F21V 17/00M2](#), [F21V 17/00Q2](#), [F21V 19/00M2](#), [F21V 19/00Q2](#))}
- B60Q 1/02 . the devices being primarily intended to illuminate the way ahead or to illuminate other areas of way or environments
- B60Q 1/04 .. the devices being headlights
- B60Q 1/0408 ... { built into the vehicle body, e.g. details concerning the mounting of the headlamps on the vehicle body ([B60Q 1/0491](#), [B60Q 1/05](#) take precedence, integrated front ends [B62D 25/00](#))}
- B60Q 1/0416 { the housing being mounted on the vehicle body using rails}
- B60Q 1/0425 { the housing being swivel mounted on the vehicle body }
- B60Q 1/0433 { the housing being fastened onto the vehicle body using screws (adjustable headlamp by rotation of a screw [B60Q 1/0683](#))}
- B60Q 1/0441 { the housing being fastened onto the vehicle body using means other than screws}
- B60Q 1/045 { with provision for adjusting the alignment of the headlamp housing with respect to the vehicle body (adjusting the light beam [B60Q 1/06](#))}
- B60Q 1/0458 { the front cover being directly mounted onto the vehicle body (mounting the

		cover on the housing F21V 17/00M)}
B60Q 1/0466	....	{ with arrangement for sealing the headlamp with respect to the vehicle body, or for concealing gaps between the headlamp and the vehicle body}
B60Q 1/0475	....	{ with provisions for pre-mounting, for temporary holding the headlamp before or during final mounting}
B60Q 1/0483	...	{mounted on a bracket, e.g. details concerning the mounting of the lamps on the vehicle body}
B60Q 1/0491	...	{Shock absorbing devices therefor (resilient mounting of lighting devices in general F21V 15/04; shock absorbing devices in general F16F 15/04)} }
B60Q 1/05	...	Retractable
B60Q 1/06	...	adjustable, e.g. remotely controlled from inside vehicle (B60Q 1/05 takes precedence; { changing the characteristics or distribution of the light by adjustment of parts, e.g. reflectors, light sources, lenses, screens F21V 14/00})
B60Q 1/064	....	by fluid means
B60Q 1/068	....	by mechanical means
B60Q 1/0683	.....	{Adjustable by rotation of a screw}
B60Q 1/0686	.....	{using a position indicator mounted on the headlight and permanently attached thereto}
B60Q 1/072	.....	comprising a flexible element, e.g. chain
B60Q 1/076	....	by electrical means { including means to transmit the movements, e.g. shafts or joints}
B60Q 1/08	....	automatically
B60Q 1/085	.....	[due to special conditions, e.g. adverse weather, type of road, badly illuminated road signs or potential dangers (B60Q 1/10, B60Q 1/12, B60Q 1/1423 take precedence)]
B60Q 1/10	.....	due to vehicle inclination, e.g. due to load distribution
B60Q 1/105	.....	by fluid means
B60Q 1/11	.....	by mechanical means
B60Q 1/115	.....	by electric means {(details of the electric drive components, e.g. motors, shafts, ball joints B60Q 1/076)}
B60Q 1/12	.....	due to steering position
B60Q 1/121	.....	{with fluid actuating means}
B60Q 1/122	.....	{ with electrical actuating means (details of the electric drive components, e.g. motors, shafts, ball joints B60Q 1/076)}
B60Q 1/124	.....	by mechanical means
B60Q 1/14	...	having dimming means {(lighting power supply circuits in general H05B)}
B60Q 1/1407	....	{General lighting circuits comprising dimming circuits (dimming circuits per se B60Q 1/1415)}
B60Q 1/1415	....	{Dimming circuits}
B60Q 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}
B60Q 1/143	.....	{ combined with another condition, e.g. using vehicle recognition from camera images or activation of wipers}
B60Q 1/1438	....	{Actuating means for dimming masks or screens (adjustable screens per se F21V 11/04)}
B60Q 1/1446	....	{controlled by mechanically actuated switches}
B60Q 1/1453	.....	{Hand actuated switches}

B60Q 1/1461	.....	{Multifunction switches for dimming headlights and controlling additional devices, e.g. for controlling direction indicating lights}
B60Q 1/1469	.....	{controlled by or attached to a single lever, e.g. steering column stalk switches}
B60Q 1/1476	.....	{comprising switch controlling means located near the free end of the lever, e.g. press buttons, rotatable rings}
B60Q 1/1484	.....	{mounted on the steering wheel}
B60Q 1/1492	.....	{Foot actuated switches}
B60Q 1/16	...	illuminating the way asymmetrically
B60Q 1/18	...	being additional front lights {(bracket mounted headlights B60Q 1/0483)}
B60Q 1/20	....	Fog lights {(single shaped beam lighting devices specially adapted for vehicles for penetrating fog or preventing glare F21S 8/12)}
B60Q 1/22	..	for reverse drive
B60Q 1/24	..	for lighting other areas than only the way ahead
B60Q 1/245	...	{using spotlights adjustable from within the vehicle (adjustable headlights B60Q 1/06)}
B60Q 1/26	.	the devices being primarily intended to indicate the vehicle, or parts thereof, or to give signals, to other traffic {(such devices mounted on the vehicle rear part F21S 48/20 ; means for the lighting or illuminating of aerials, e.g. for purpose of warning H01Q 1/06)}
B60Q 1/2603	..	{Attenuation of the light according to ambient luminosity, e.g. for braking or direction indicating lamps}
B60Q 1/2607	..	{comprising at least two indicating lamps}
B60Q 1/2611	..	{ Indicating devices mounted on the roof of the vehicle (flashing light sources in general F21S 10/06)}
B60Q 1/2615	..	{ mounted on the vehicle body, e.g. with magnets}
B60Q 1/2619	..	{ built in the vehicle body}
B60Q 1/2623	...	{ Details of the fastening means}
B60Q 1/2626	....	{ Screw-nut fasteners}
B60Q 1/263	....	{ Snap-in fasteners}
B60Q 1/2634	....	{ Fastening by rotating the device housing about its longitudinal axis, e.g. bayonet fasteners}
B60Q 1/2638	...	{ Positioning the device housing by indexing means separate from the fastening means, e.g. pins, rails}
B60Q 1/2642	...	{ with provision for adjusting the alignment of the device housing with respect to the vehicle body}
B60Q 1/2646	....	{ using dowels or expansible elements}
B60Q 1/2649	...	{ with provision for pre-mounting or temporary holding the device before or during final mounting}
B60Q 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}
B60Q 1/2657	..	{mounted on a shaft, e.g. telescopic (lamps on antennas or powerlines F21S 8/00Q8)}
B60Q 1/2661	..	{ mounted on parts having other functions (on wheels B60Q 1/323)}
B60Q 1/2665	...	{ on rear-view mirrors (lighting devices for vehicle interior on or for rear-view mirrors B60Q 3/023 ; adaptations or arrangements of mirrors for use on cycles B62J 29/00 ; rear-view mirror arrangements B60R 1/02 ; mirror assemblies

- combined with lamps [B60R 1/1207](#)}}
- B60Q 1/2669 ... { on door or boot handles (lighting devices for vehicle interior on door handles [B60Q 3/0233](#); vehicle doors [B60J 5/00](#) illuminating devices on or for locks or keys [E05B 17/10](#); Keyhole finders [E05B 15/08](#))}
- B60Q 1/2673 ... { on parts worn by the driver, e.g. clothes (professional or sporting clothes with reflecting or luminous means [A41D 13/01](#)), gloves (protective gloves with reflecting or luminous means [A41D 19/0157](#)), or bags, specially adapted to provide auxiliary vehicle signalling}
- B60Q 1/2676 { Helmets (helmets in general [A42B 3/00](#); helmets with signalling or lighting devices [A42B 3/0433](#))}
- B60Q 1/268 ... { on windscreens or windows ([B60Q 1/302](#) takes precedence; windows or windscreens in general [B60J 1/00](#); lighting devices for vehicle interior on or for windows [B60Q 3/0213](#))}
- B60Q 1/2684 ... { on wipers or windscreen washers (vehicle wipers [B60S 1/04](#); windscreen washers [B60S 1/46](#))}
- B60Q 1/2688 ... { on exhaust pipes (exhaust or silencing apparatuses in general [F01N](#))}
- B60Q 1/2692 .. {retractable lights (retractable headlights [B60Q 1/05](#))}
- B60Q 1/2696 .. { Mounting of devices using LEDs (fastening of LEDs on printed circuits [F21V 19/001](#))}
- B60Q 1/28 .. for indicating front of vehicle
- B60Q 1/30 .. for indicating rear of vehicle, e.g. by means of reflecting surfaces
- B60Q 1/302 ... {mounted in the vicinity, e.g. in the middle, of a rear window}
- B60Q 1/305 ... {Indicating devices for towed vehicles}
- B60Q 1/307 ... { mounted on loading platforms (warning signals on loading platforms [B60P 1/4464](#))}
- B60Q 1/32 .. for indicating vehicle sides, {e.g. clearance lights}
- B60Q 1/323 ... { on or for doors or running boards, e.g. to facilitate acces to the vehicle (illumination of door locks [E05B 17/10](#))}
- B60Q 1/326 ... {on or for wheels}
- B60Q 1/34 .. for indicating change of drive direction ([B60Q 1/22](#) takes precedence)
- B60Q 1/343 ... {Manually actuated switching arrangements therefor (Hand actuated multifunction switches [B60Q 1/1461](#); [B60Q 1/40](#) takes precedence)}
- B60Q 1/346 ... with automatic actuation
- B60Q 1/36 ... using movable members, e.g. arms with built-in flashing lamps
- B60Q 1/38 ... using immovably-mounted light sources, e.g. fixed flashing lamps
- B60Q 1/382 {Electronic temporisation with semiconductor amplification}
- B60Q 1/385 {Electronic temporisation with relay amplification}
- B60Q 1/387 {Mechanical temporisation}
- B60Q 1/40 ... having {mechanical, electric or electronic} automatic return to inoperative position
- B60Q 1/42 {having mechanical automatic return to inoperative position} due to steering-wheel position, {e.g. with roller wheel control}
- B60Q 1/425 {using a latching element for resetting a switching element (Hand actuated multifunction switches [B60Q 1/1461](#))}
- B60Q 1/44 .. for indicating braking action or preparation for braking, { e.g. by detection of the foot approaching the brake pedal}

- B60Q 1/441 . . . {Electric switches operable by the driver`s pedals (electric switches in general [H01H](#))}
- B60Q 1/442 . . . {visible on the front side of the vehicle, e.g. for pedestrians}
- B60Q 1/444 . . . { with indication of the braking strength or speed changes, e.g. by changing shape or intensity of the indication ([B60Q 1/1407](#), [B60Q 1/442](#), [B60Q 1/447](#) take precedence)}
- B60Q 1/445 . . . {controlled by inertial devices}
- B60Q 1/447 {with indication of the braking strength or speed changes, e.g. by changing the shape or intensity of the indication}
- B60Q 1/448 . . . {specially adapted for vehicles with ABS}
- B60Q 1/46 . . for giving flashing caution signals during drive, other than signalling change of direction, e.g. flashing the headlights, { hazard lights (flashing lights in general [F21S 10/06](#))}
- B60Q 1/48 . . for parking purposes {(warning arrangements in garages [E04H 6/42](#))}
- B60Q 1/482 . . . { for locating vehicle in parking lot}
- B60Q 1/484 . . . { for showing outline of vehicle}
- B60Q 1/486 . . . { for indicating that vehicle is in a parked state}
- B60Q 1/488 . . . { for indicating intention to park}
- B60Q 1/50 . . for indicating other intentions or conditions, e.g. request for waiting or overtaking
- B60Q 1/503 . . . {using luminous text displays}
- B60Q 1/506 . . . { for signaling silent vehicles, e.g. for warning that a hybrid or electric vehicle is approaching}
- B60Q 1/52 . . . for indicating emergencies {(braking indicating devices [B60Q 1/44](#), portable emergency signal devices [B60Q 7/00](#))}
- B60Q 1/525 { indicating risk of collision between vehicles or with pedestrians (using video cameras [B62D 1/00](#); Radars designed for anti-collision purposes between land vehicles or between land vehicle and fixed obstacles [G01S 13/931](#); Control of position or course in two dimensions for land vehicles [G05D 1/021](#); Anti-collision systems for road vehicles [G08G 1/16](#))}
- B60Q 1/54 . . . for indicating speed {outside of the vehicle (automatic vehicle speed controlling fittings including unintended speed signalling devices to the vehicle driver [B60K 31/18](#))}
- B60Q 1/56 . . for illuminating registrations or the like, { e.g. for licence plates (license plates [B60R 13/10](#))}

B60Q 3/00 Arrangements or adaptations of lighting devices for vehicle interior

- B60Q 3/001 . { manually adjustable, e.g. colours, orientation, intensity (automatically adjusted [B60Q 3/0293](#))}
- B60Q 3/002 . { using light guides}
- B60Q 3/004 . . { inside a single lighting device}
- B60Q 3/005 . . { to distribute light between several lighting devices}
- B60Q 3/007 . { with means for electrical plugging into vehicle, e.g. in cigarette lighter, in special plug (arrangement of electrically heated lighters [B60N 3/14](#)) }
- B60Q 3/008 . { using UV light}

- B60Q 3/02 . for lighting passenger or driving compartment
- B60Q 3/0203 .. {Details of mounting onto vehicle interior, e.g. onto ceiling, floor (mounting of lighting devices [F21V 21/04](#), vehicle liners [B60R 13/02](#), connectors [H01R 33/00](#))}
- B60Q 3/0206 ... {Modular mounting systems, e.g. using tracks, rails, multiple plugs (for lighting devices in general [F21V 21/005](#))}
- B60Q 3/0209 .. {mounted onto or for lighting specific vehicle fittings}
- B60Q 3/0213 ... { on or for sun roofs, or windows (windows per se [B60J 1/00](#), sun roofs per se [B60J 7/00](#))}
- B60Q 3/0216 ... { on or for doors or steps (vehicle doors [B60J 5/00](#))}
- B60Q 3/022 .. { on or for small compartments, e.g. glove compartment (stowing small appliances in vehicles [B60R 7/00](#))}
- B60Q 3/0223 ... { on or for seats, arm rests or head rests (vehicle seats per se [B60N 2/00](#))}
- B60Q 3/0226 ... { on or for sun visors (sun visors per se [B60J 3/0204](#))}
- B60Q 3/023 ... { on or for rear view mirrors (rear view mirror per se [B60R 1/00](#))}
- B60Q 3/0233 ... { on or for door handles or hand grabs (door handles per se [B60N 3/02](#))}
- B60Q 3/0236 ... { on or for smoking related tools, e.g. cigarette lighters, ashtrays (cigarette lighters [B60N 3/14](#), ashtrays [B60N 3/083](#))}
- B60Q 3/024 ... { on or for steering wheel or gear shift (steering wheels [B62D 1/04](#), gear shifts [B60K20](#))}
- B60Q 3/0243 ... { others, e.g. cup holders, ignition locks (lighting for door locks [E05B 15/08](#), [E05B 17/10](#))}
- B60Q 3/0246 .. {for mass transit vehicles ([B60Q 3/0209](#), [B60Q 3/04](#) take precedence, illumination of sides, boards or panels in general [G09F 13](#))}
- B60Q 3/025 ... {Overall lighting}
- B60Q 3/0253 ... {Specific lighting, e.g. reading lamps}
- B60Q 3/0256 ... {Emergency lighting, e.g. escape routes (illumination of emergency signs [G09F 13](#))}
- B60Q 3/0259 ... {Circuits or control therefore}
- B60Q 3/0263 .. {Mounted on a shaft (for lighting devices in general [F21V 21/26](#) and [F21V 21/32](#))}
- B60Q 3/0266 .. {Retractable, concealable lamps}
- B60Q 3/0269 .. {with provision for being portable (portable lighting devices in general [F21L](#))}
- B60Q 3/0273 .. {Specifically arranged for convertibles}
- B60Q 3/0276 .. {additional interior lighting specifically arranged to prevent conductor dazzling, e.g. by constricting the conductor's pupil}
- B60Q 3/0279 .. {overall lighting alone or in combination with specific lighting, e.g. arrangement of room lamps, combination of room lamps with reading lamps (fastening of components within lighting devices [F21V 17/00](#), [F21V 19/00](#) and [F21V 23/00](#))}
- B60Q 3/0283 ... {using lighting panels or mats, e.g. electro-luminescent panels, LED mats (electroluminescent light sources [H05B 33/00](#))}
- B60Q 3/0286 .. {Specific lighting, e.g. reading lamps, directional or focussed lighting towards small surfaces, e.g. using blends (fastening of components within lighting devices [F21V 17/00](#), [F21V 19/00](#) and [F21V 23/00](#))}
- B60Q 3/0289 .. {Strip lighting, edge marking, e.g. using elongated light sources along or around parts to be illuminated}
- B60Q 3/0293 .. {circuits or control for interior lights (circuits for light sources in general [H05B 37/00](#) and [H05B 39/00](#), for electric vehicles [B60L 1/14](#), electronic switching [H03K 17/00](#), remote control [H04Q 9/00](#))}

- B60Q 3/0296 .. {Switches specifically designed for interior lights, e.g. switching by tilting the lens (mechanical switches in general [H01H](#), electronic switches in general [H03K 17/00](#), arrangement of instruments in vehicles in general [B60K 35/00](#) and [B60K 37/00](#))}
- B60Q 3/04 .. for dashboard {(lighting of individual instruments G01D, association of lighting devices with LCDs [G02F 1/1335](#))}
- B60Q 3/042 ... { lighting onto the surface to be illuminated}
- B60Q 3/044 ... { lighting through the surface to be illuminated}
- B60Q 3/046 ... { Circuits or control therefore (for electric vehicles [B60L 1/14](#); electronic switching [H03K 17/00](#); remote control [H04Q 9/00](#); circuits for light sources in general [H05B 37/00](#), [H05B 39/00](#))}
- B60Q 3/048 { for varying the light intensity (controlling the light intensity of displays G09G; circuits for controlling the light intensity emitted by particular light sources H05B)}
- B60Q 3/06 . for lighting compartments other than passenger or driving space, e.g. luggage or engine compartment
- B60Q 3/065 .. { with provision for being portable (portable lighting devices in general F21L)}
- B60Q 5/00** **Arrangements or adaptations of acoustic signal devices** {(sound producing devices in general [G10K](#))}
- B60Q 5/001 . {Switches therefor}
- B60Q 5/003 .. {mounted on the steering wheel}
- B60Q 5/005 . { automatically actuated}
- B60Q 5/006 .. { indicating risk of collision between vehicles or with pedestrians (using video cameras [B62D 1/00](#); Radars designed for anti-collision purposes between land vehicles or between land vehicle and fixed obstacles [G01S 13/931](#); Control of position or course in two dimensions for land vehicles [G05D 1/021](#); Anti-collision systems for road vehicles [G08G 1/16](#))}
- B60Q 5/008 .. [N : for signaling silent vehicles, e.g. for warning that a hybrid or electric vehicle is approaching]
- B60Q 7/00** **Arrangement or adaptation of portable emergency signal devices on {board} vehicles** {to be placed on roadways or vehicles, e.g. warning triangles}, (arrangements for enforcing caution on roads, e.g. marker posts, [E01F 9/00](#); signs [G09F](#), e.g. reflecting warning triangles [G09F 13/16](#))
- B60Q 7/005 . {Devices without lamps}
- B60Q 7/02 . to be attached to overhanging loads or extending parts of vehicle
- B60Q 9/00** **Arrangements or adaptations of signal devices not provided for in one of the preceding main groups, {e.g. haptic signalling}**
- B60Q 9/001 . {Alarm devices when the motor is stopped and the lights are on}
- B60Q 9/002 . { for parking purposes, e.g. for warning the driver that his vehicle has contacted or is about to contact an obstacle (warning arrangements in garages [E04H 6/42](#))}
- B60Q 9/003 .. { using physical contactors, e.g. arms that trigger alarm upon contact with obstacle}

- B60Q 9/004 .. { using wave sensors (radar designed for anti-collision purposes between land vehicles or between land vehicles and fixed obstacles [G01S 13/931](#))}
- B60Q 9/005 ... { using a video camera}
- B60Q 9/006 ... { using a distance sensor}
- B60Q 9/007 .. { providing information about the distance to an obstacle, e.g. varying sound}
- B60Q 9/008 . { for anti-collision purposes}

- B60Q 11/00** **Arrangements of monitoring devices for devices provided for in groups [B60Q 1/00](#) to [B60Q 9/00](#){(testing of electric installations on road vehicle [G01R 31/00](#))}**
- B60Q 11/002 . {Emergency driving lights in the event of failure of the principal lighting circuit}
- B60Q 11/005 . {for lighting devices, e.g. indicating if lamps are burning or not}
- B60Q 11/007 .. {the lighting devices indicating change of drive direction (change of drive direction indicators [B60Q 1/34](#))}

- B60Q 2200/00** **Special features or arrangements of vehicle headlamps**
- B60Q 2200/30 . Special arrangements for adjusting headlamps, e.g. means for transmitting the movements for adjusting the lamps
- B60Q 2200/32 .. Ball-joints
- B60Q 2200/34 .. Deformable parts, i.e. the adjustment is performed by bending or stretching a part
- B60Q 2200/36 .. Conjoint adjustments, i.e. a mechanical link allows conjoint adjustment of several units
- B60Q 2200/38 .. Automatic calibration of motor-driven means for adjusting headlamps, i.e. when switching on the headlamps, not during mounting at factories

- B60Q 2300/00** **Indexing codes for automatically adjustable headlamps or automatically dimmable headlamps**
- B60Q 2300/05 . Special features for controlling or switching of the light beam
- B60Q 2300/052 .. Switching delay, i.e. the beam is not switched or changed instantaneously upon occurrence of a condition change
- B60Q 2300/054 .. Variable non-standard intensity, i.e. emission of various beam intensities different from standard intensities, e.g. continuous or stepped transitions of intensity
- B60Q 2300/056 .. Special anti-blinding beams, e.g. a standard beam is chopped or moved in order not to blind
- B60Q 2300/10 . Indexing codes relating to particular vehicle conditions
- B60Q 2300/11 .. Linear movements of the vehicle
- B60Q 2300/112 ... Vehicle speed
- B60Q 2300/114 ... Vehicle acceleration or deceleration

B60Q 2300/116	...	Vehicle at a stop
B60Q 2300/12	..	Steering parameters
B60Q 2300/122	...	Steering angle
B60Q 2300/124	...	Steering speed
B60Q 2300/126	...	Hysteresis behavior based on steering
B60Q 2300/128	...	Steering dead zone
B60Q 2300/13	..	Attitude of the vehicle body
B60Q 2300/132	...	Pitch
B60Q 2300/134	...	Yaw
B60Q 2300/136	...	Roll
B60Q 2300/14	..	Other vehicle conditions
B60Q 2300/142	...	Turn signal actuation
B60Q 2300/144	...	Rearward ratio actuation
B60Q 2300/146	...	Abnormalities, e.g. fail-safe
B60Q 2300/20	.	Indexing codes relating to the driver or the passengers
B60Q 2300/21	..	Manual control
B60Q 2300/22	..	Seat occupation
B60Q 2300/23	..	Driver's line of sight
B60Q 2300/30	.	Indexing codes relating to the vehicle environment
B60Q 2300/305	..	Calendar date or clock time
B60Q 2300/31	..	Atmospheric conditions
B60Q 2300/312	...	Adverse weather
B60Q 2300/314	...	Ambient light
B60Q 2300/32	..	Road surface or travel path
B60Q 2300/322	...	Road curvature
B60Q 2300/324	...	Road inclination, e.g. uphill or downhill
B60Q 2300/33	..	Driving situation
B60Q 2300/331	...	characterised by the driving side, e.g. on the left or right hand side
B60Q 2300/332	...	on city roads
B60Q 2300/3321	....	Detection of streetlights
B60Q 2300/333	...	on suburban or country roads
B60Q 2300/334	...	on motorways
B60Q 2300/335	...	Number or size of road lanes
B60Q 2300/336	...	Crossings
B60Q 2300/337	...	Tunnels or bridges
B60Q 2300/338	...	Overtaking
B60Q 2300/40	.	Indexing codes relating to other road users or special conditions
B60Q 2300/41	..	preceding vehicle
B60Q 2300/42	..	oncoming vehicle
B60Q 2300/43	..	following vehicle

- B60Q 2300/45 . . Special conditions, e.g. pedestrians, road signs or potential dangers
- B60Q 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

B60Q 2400/00 Special features or arrangements of exterior signal lamps for vehicles

- B60Q 2400/10 . Electroluminescent surfaces, i.e. signalling by way of electroluminescent strips or panels
- B60Q 2400/20 . Multi-color single source or LED matrix, e.g. yellow blinker and red brake lamp generated by single lamp
- B60Q 2400/30 . Daytime running lights (DRL), e.g. circuits or arrangements therefor
- B60Q 2400/40 . Welcome lights, i.e. specific or existing exterior lamps to assist leaving or approaching the vehicle
- B60Q 2400/50 . Projected signs, i.e. symbol or information is projected onto the road

B60Q 2500/00 Special features or arrangements of vehicle interior lamps

- B60Q 2500/10 . embedded in interior trim, e.g. integrated in headliner layers
- B60Q 2500/20 . associated with air conditioning arrangements

B60Q 2900/00 Features of lamps not covered by other groups in B60Q

- B60Q 2900/10 . Retrofit arrangements
- B60Q 2900/20 . Arrangements for easy recycling, e.g. for easy dismantling or use of special materials
- B60Q 2900/30 . Lamps commanded by wireless transmissions