

CPC COOPERATIVE PATENT CLASSIFICATION

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

NOTES

1. 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
2. Attention is drawn to the Note following the title of class [B60](#)
3. Attention is drawn to the following places :

B60K 28/00	Safety devices, e.g. sleeping driver
B60R 25/00	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

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})	1/0058 . . . {Stacked, i.e. one lamp located behind the other in the optical axis direction}
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)}	1/0064 . {with provision for maintenance, e.g. changing the light bulb (swivel arrangements B60Q 1/0425 ; fastening of covers F21S 48/15 ; changing light sources in general F21V 19/04 ; fastening of light sources or lamp holders F21S 48/1104 , F21S 48/211)}
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)}	1/007 . . {via a removable cap (fastening of the light source by a cap holding the light source F21S 48/1104 , F21S 48/211)}
1/0017	. {Devices integrating an element dedicated to another function}	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)}
1/0023	. . {the element being a sensor, e.g. distance sensor, camera}	1/0082 . . {mounted on the steering wheel}
1/0029	. {Spatial arrangement}	1/0088 . {Details of electrical connections (B60Q 1/305 takes precedence; electrical connectors in general H01R ; electrical connection of the light source itself F21S 48/1109 , F21S 48/212)}
1/0035	. . {relative to the vehicle}	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 17/06 , F21S 48/1109 , F21S 48/212)}
1/0041	. . {of several lamps in relation to each other}	
1/0047	. . . {Signalling unit mounted on a headlamp unit}	
1/0052	. . . {concentric}	

- 1/02 . . . the devices being primarily intended to illuminate the way ahead or to illuminate other areas of way or environments
- 1/04 . . . the devices being headlights
- 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](#))}
- 1/0416 {the housing being mounted on the vehicle body using rails}
- 1/0425 {the housing being swivel mounted on the vehicle body}
- 1/0433 {the housing being fastened onto the vehicle body using screws (adjustable headlamp by rotation of a screw [B60Q 1/0683](#))}
- 1/0441 {the housing being fastened onto the vehicle body using means other than screws}
- 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](#))}
- 1/0458 {the front cover being directly mounted onto the vehicle body (mounting the cover on the housing [F21S 48/15](#))}
- 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}
- 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 mounting of the lamps on the vehicle body}
- 1/0491 {Shock absorbing devices therefor (resilient mounting of lighting devices in general [F21V 15/04](#); shock absorbing devices in general [F16F 15/04](#))}
- 1/05 . . . Retractable
- 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](#))}
- 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 ([B60Q 1/10](#), [B60Q 1/12](#), [B60Q 1/1423](#) 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 [B60Q 1/076](#))}
- 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 [B60Q 1/076](#))}
- 1/124 by mechanical means
- 1/14 . . . having dimming means {(lighting power supply circuits in general [H05B](#))}
- 1/1407 {General lighting circuits comprising dimming circuits (dimming circuits *per se* [B60Q 1/1415](#))}
- 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 (adjustable screens *per se* [F21V 11/04](#))}
- 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 {controlled by or attached to a single 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 [B60Q 1/0483](#))}
- 1/20 Fog lights {(single shaped beam lighting devices specially adapted for vehicles for penetrating fog or preventing glare [F21S 8/12](#))}
- 1/22 . . for reverse drive
- 1/24 . . for lighting other areas than only the way ahead
- 1/245 . . . {using spotlights adjustable from within the vehicle (adjustable headlights [B60Q 1/06](#))}
- 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](#))}
- 1/2603 . . {Attenuation of the light according to ambient luminosity, 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 ([flashing light sources in general F21S 10/06](#))}
- 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 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 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 ([lamps on antennas or powerlines F21S 8/085](#))}
- 1/2661 . . {mounted on parts having other functions ([on wheels B60Q 1/323](#))}
- 1/2665 . . . {on rear-view mirrors ([lighting devices for vehicle interior on or for rear-view mirrors B60Q 3/258](#); [rear-view mirror arrangements B60R 1/02](#); [mirror assemblies combined with lamps B60R 1/1207](#); [adaptations or arrangements of mirrors for use on cycles B62J 29/00](#))}
- 1/2669 . . . {on door or boot handles ([lighting devices for vehicle interior on door handles B60Q 3/267](#); [vehicle doors B60J 5/00](#); [illuminating devices on or for locks or keys E05B 17/10](#); [keyhole finders E05B 15/08](#))}
- 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}
- 1/2676 {Helmets ([helmets in general A42B 3/00](#); [helmets with signalling or lighting devices A42B 3/0433](#))}
- 1/268 . . . {on windscreens or windows ([B60Q 1/302 takes precedence](#); [lighting devices for vehicle interior on or for windows B60Q 3/208](#); [windows or windscreens in general B60J 1/00](#))}
- 1/2684 . . . {on wipers or windscreen washers ([vehicle wipers B60S 1/04](#); [windscreen washers B60S 1/46](#))}
- 1/2688 . . . {on exhaust pipes ([exhaust or silencing apparatuses in general F01N](#))}
- 1/2692 . . {retractable lights ([retractable headlights B60Q 1/05](#))}
- 1/2696 . . {Mounting of devices using LEDs ([fastening of LEDs on printed circuits F21V 19/001](#))}
- 1/28 . . for indicating front of vehicle
- 1/30 . . for indicating rear of vehicle, e.g. by means of reflecting surfaces
- 1/302 . . . {mounted in the vicinity, e.g. in the middle, of a rear window}
- 1/305 . . . {Indicating devices for towed vehicles}
- 1/307 . . . {mounted on loading platforms ([warning signals on loading platforms B60P 1/4464](#))}
- 1/32 . . for indicating vehicle sides, {e.g. clearance lights}
- 1/323 . . . {on or for doors or running boards, e.g. to facilitate access to the vehicle ([illumination of door locks E05B 17/10](#))}
- 1/326 . . . {on or for wheels}
- 1/34 . . for indicating change of drive direction ([B60Q 1/22 takes precedence](#))
- 1/343 . . . {Manually actuated switching arrangements therefor ([Hand actuated multifunction switches B60Q 1/1461](#); [B60Q 1/40 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
- 1/382 {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 position, {e.g. with roller wheel control}
- 1/425 {using a latching element for resetting a switching element ([Hand actuated multifunction switches B60Q 1/1461](#))}
- 1/44 . . for indicating braking action or preparation for braking, {e.g. by detection of the foot approaching the brake pedal}
- 1/441 . . . {Electric switches operable by the driver's pedals ([electric switches in general H01H](#))}
- 1/442 . . . {visible on the front side of the vehicle, e.g. for pedestrians}
- 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](#))}
- 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}
- 1/448 . . . {specially adapted for vehicles with ABS}
- 1/46 . . for giving flashing caution signals during drive, other than signalling change of direction, e.g. flashing the headlights, {[hazard lights \(flashing lights in general F21S 10/06\)](#)}
- 1/48 . . for parking purposes {([warning arrangements in garages E04H 6/42](#))}
- 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 displays}
- 1/506 . . . {for signaling silent vehicles, e.g. for warning that a hybrid or electric vehicle is approaching}
- 1/52 . . . for indicating emergencies {(braking indicating devices [B60Q 1/44](#), portable emergency signal devices [B60Q 7/00](#))}
- 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](#))}
- 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](#))}
- 1/56 . . for illuminating registrations or the like, {e.g. for licence plates (license plates [B60R 13/10](#))}

3/00 Arrangement of lighting devices for vehicle interiors; Lighting devices specially adapted for vehicle interiors

WARNING

Group [B60Q 3/00](#) is impacted by reclassification into groups [B60Q 3/40](#), [B60Q 3/50](#), [B60Q 3/54](#), [B60Q 3/60](#), and [B60Q 3/70](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 3/10 . for dashboards
- 3/12 . . lighting onto the surface to be illuminated
- 3/14 . . lighting through the surface to be illuminated
- 3/16 . . Circuits; Control arrangements
- 3/18 . . . for varying the light intensity
- 3/20 . for lighting specific fittings of passenger or driving compartments; mounted on specific fittings of passenger or driving compartments (lighting for dashboards [B60Q 3/10](#))

WARNING

Group [B60Q 3/20](#) is impacted by reclassification into groups [B60Q 3/242](#) and [B60Q 3/292](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 3/208 . . Sun roofs; Windows
- 3/217 . . Doors, e.g. door sills; Steps
- 3/225 . . Small compartments, e.g. glove compartments
- 3/233 . . Seats; Arm rests; Head rests
- 3/242 . . Safety belts; Body harnesses

WARNING

Group [B60Q 3/242](#) is incomplete pending reclassification of documents from group [B60Q 3/20](#).

Groups [B60Q 3/20](#) and [B60Q 3/242](#) should be considered in order to perform a complete search.

- 3/252 . . Sun visors
- 3/258 . . Rear-view mirrors

- 3/267 . . Door handles; Hand grips
- 3/275 . . Smoking-related fittings, e.g. cigarette lighters or ashtrays
- 3/283 . . Steering wheels; Gear levers
- 3/292 . . Ignition locks

WARNING

Group [B60Q 3/292](#) is incomplete pending reclassification of documents from group [B60Q 3/20](#).

Groups [B60Q 3/20](#) and [B60Q 3/292](#) should be considered in order to perform a complete search.

- 3/30 . for compartments other than passenger or driving compartments, e.g. luggage or engine compartments
- 3/35 . . Portable lighting devices
- 3/40 . specially adapted for specific vehicle types

WARNING

Group [B60Q 3/40](#) is incomplete pending reclassification of documents from group [B60Q 3/00](#).

Groups [B60Q 3/00](#) and [B60Q 3/40](#) should be considered in order to perform a complete search.

- 3/41 . . for mass transit vehicles, e.g. buses
- 3/43 . . . General lighting
- 3/44 . . . Spotlighting, e.g. reading lamps
- 3/46 . . . Emergency lighting, e.g. for escape routes
- 3/47 . . . Circuits; Control arrangements
- 3/49 . . for vehicles with non-fixed roofs, e.g. convertibles
- 3/50 . Mounting arrangements (for compartments other than passenger or driving compartments [B60Q 3/30](#); specially adapted for specific vehicle types [B60Q 3/40](#))

WARNING

Group [B60Q 3/50](#) is incomplete pending reclassification of documents from group [B60Q 3/00](#).

Groups [B60Q 3/00](#) and [B60Q 3/50](#) should be considered in order to perform a complete search.

- 3/51 . . for mounting lighting devices onto vehicle interior, e.g. onto ceiling or floor
- 3/53 . . . Modular mounting systems, e.g. using tracks, rails or multiple plugs
- 3/54 . . Lighting devices embedded in interior trim, e.g. in roof liners

WARNING

Group [B60Q 3/54](#) is incomplete pending reclassification of documents from group [B60Q 3/00](#).

Groups [B60Q 3/00](#) and [B60Q 3/54](#) should be considered in order to perform a complete search.

- 3/56 . . Lighting devices mounted on elongate supports, e.g. on flexible arms
- 3/57 . . Retractable or concealable lighting devices

- 3/59 . . Lighting devices mounted in the vehicle interior and adapted for portability
- 3/60 . characterised by optical aspects
- WARNING**
Group [B60Q 3/60](#) is incomplete pending reclassification of documents from group [B60Q 3/00](#).
Groups [B60Q 3/00](#) and [B60Q 3/60](#) should be considered in order to perform a complete search.
- 3/62 . . using light guides
- 3/64 . . . for a single lighting device
- 3/66 . . . for distributing light among several lighting devices
- 3/68 . . using ultra-violet light
- 3/70 . characterised by the purpose
- WARNING**
Group [B60Q 3/70](#) is incomplete pending reclassification of documents from group [B60Q 3/00](#).
Groups [B60Q 3/00](#) and [B60Q 3/70](#) should be considered in order to perform a complete search.
- 3/72 . . for preventing the driver from being dazzled
- 3/74 . . for overall compartment lighting; for overall compartment lighting in combination with specific lighting, e.g. room lamps with reading lamps (general lighting mounted on specific fittings [B60Q 3/20](#); general lighting for mass transit vehicles [B60Q 3/43](#))
- 3/745 . . . {using lighting panels or mats, e.g. electro-luminescent panels, LED mats}
- 3/76 . . for spotlighting, e.g. reading lamps (spotlighting on or for specific fittings [B60Q 3/20](#); spotlighting in mass transit vehicles [B60Q 3/44](#))
- 3/78 . . for generating luminous strips, e.g. for marking trim component edges
- 3/80 . Circuits; Control arrangements (for dashboards [B60Q 3/16](#); for mass transit vehicles [B60Q 3/47](#))
- 3/82 . . Switches specially adapted for vehicle interior lighting, e.g. switching by tilting the lens
- 3/85 . . for manual control of the light, e.g. of colour, orientation or intensity
- 3/88 . . Means for plugging to the electrical power supply of the vehicle, e.g. by using cigarette lighter sockets
- 5/00 Arrangements or adaptations of acoustic signal devices** {(sound producing devices in general [G10K](#))}
- 5/001 . {Switches therefor}
- 5/003 . . {mounted on the steering wheel}
- 5/005 . {automatically actuated}
- 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](#))}
- 5/008 . . {for signaling silent vehicles, e.g. for warning that a hybrid or electric vehicle is approaching}
- 7/00 Arrangement or adaptation of portable emergency signal devices on vehicles**
- 7/005 . {Devices without lamps}
- 7/02 . to be attached to overhanging loads or extending parts of vehicle
- 9/00 Arrangements or adaptations of signal devices not provided for in one of the preceding main groups, {e.g. haptic signalling}**
- 9/001 . {Alarm devices when the motor is stopped and the lights are on}
- 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](#))}
- 9/003 . . {using physical contactors, e.g. arms that trigger alarm upon contact with obstacle}
- 9/004 . . {using wave sensors (radar designed for anti-collision purposes between land vehicles or between land vehicles and fixed obstacles [G01S 13/931](#))}
- 9/005 . . . {using a video camera}
- 9/006 . . . {using a distance sensor}
- 9/007 . . {providing information about the distance to an obstacle, e.g. varying sound}
- 9/008 . {for anti-collision purposes}
- 11/00 Arrangements of monitoring devices for devices provided for in groups [B60Q 1/00](#) - [B60Q 9/00](#)** {(testing of electric installations on road vehicle [G01R 31/00](#))}
- 11/002 . {Emergency driving lights in the event of failure of the principal lighting circuit}
- 11/005 . {for lighting devices, e.g. indicating if lamps are burning or not}
- 11/007 . . {the lighting devices indicating change of drive direction (change of drive direction indicators [B60Q 1/34](#))}
- 2200/00 Special features or arrangements of vehicle 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 of intensity	2400/10	. Electroluminescent surfaces, i.e. signalling by way of electroluminescent strips or panels
2300/056	. . Special anti-blinding beams, e.g. a standard beam is chopped or moved in order not to blind	2400/20	. Multi-color single source or LED matrix, e.g. yellow blinker and red brake lamp generated by single lamp
2300/10	. Indexing codes relating to particular vehicle conditions	2400/30	. Daytime running lights [DRL], e.g. circuits or arrangements therefor
2300/11	. . Linear movements of the vehicle	2400/40	. Welcome lights, i.e. specific or existing exterior lamps to assist leaving or approaching the vehicle
2300/112	. . . Vehicle speed	2400/50	. Projected signs, i.e. symbol or information is projected onto the road
2300/114	. . . Vehicle acceleration or deceleration	2500/00	Special features or arrangements of vehicle interior lamps
2300/116	. . . Vehicle at a stop	2500/10	. embedded in interior trim, e.g. integrated in headliner layers
2300/12	. . Steering parameters	2500/20	. associated with air conditioning arrangements
2300/122	. . . Steering angle	2900/00	Features of lamps not covered by other groups in B60Q
2300/124	. . . Steering speed	2900/10	. Retrofit arrangements
2300/126	. . . Hysteresis behavior based on steering	2900/20	. Arrangements for easy recycling, e.g. for easy dismantling or use of special materials
2300/128	. . . Steering dead zone	2900/30	. Lamps commanded by wireless transmissions
2300/13	. . 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 lamps for vehicles		