

# 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.
2. 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](#).
4. Attention is drawn to the following places:
5. [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  
[G01S](#) Infrared 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

##### WARNINGS

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

<a href="#">B60Q 1/128</a>	covered by	<a href="#">B60Q 1/124</a>
<a href="#">B60Q 1/132</a>	covered by	<a href="#">B60Q 1/124</a>
<a href="#">B60Q 1/136</a>	covered by	<a href="#">B60Q 1/124</a>
2. 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.

1/00	<b>Arrangements or adaptations of optical signalling or lighting devices</b> (for lighting vehicle interior <a href="#">B60Q 3/00</a> {; circuit arrangements for electric light sources in general <a href="#">H05B 47/00</a> })	1/0011 . { with light guides for distributing the light between several lighting or signalling devices (using light guides inside a single device <a href="#">F21S 8/00</a> , light guides per se <a href="#">G02B 6/0001</a> ) }
1/0005	. {Devices preventing the lights from becoming dirty or damaged (protecting lighting devices from damage in general <a href="#">F21V 15/00</a> ), e.g. protection grids (fastening of grids or protective cages in general <a href="#">F21V 17/00</a> ), cleaning by air flow (windshield wipers for cleaning optical devices of vehicles <a href="#">B60S 1/04</a> ) }	1/0017 . {Devices integrating an element dedicated to another function} 1/0023 . . {the element being a sensor, e.g. distance sensor, camera} 1/0029 . {Spatial arrangement} 1/0035 . . {relative to the vehicle} 1/0041 . . {of several lamps in relation to each other} 1/0047 . . . {Signalling unit mounted on a headlamp unit} 1/0052 . . . {concentric}

- 1/0058 . . . {Stacked, i.e. one lamp located behind the other in the optical axis direction}
- 1/0064 . {with provision for maintenance, e.g. changing the light bulb (swivel arrangements [B60Q 1/0425](#); fastening of covers [F21S 41/50](#); changing light sources in general [F21V 19/04](#); fastening of light sources or lamp holders [F21S 41/19](#), [F21S 43/19](#))}
- 1/007 . . {via a removable cap (fastening of the light source by a cap holding the light source [F21S 41/19](#), [F21S 43/19](#))}
- 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](#))}
- 1/0082 . . {mounted on the steering wheel}
- 1/0088 . {Details of electrical connections ([B60Q 1/305](#) takes precedence; electrical connectors in general [H01R](#); electrical connection of the light source itself [F21S 41/192](#), [F21S 43/195](#))}
- 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 41/192](#), [F21S 43/195](#))}
- 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 41/50](#))}
- 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 {controlling the distribution of the light emitted by adjustment of elements [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
- 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 {[\(means for the lighting or illuminating of aerials, e.g. for purpose of warning H01Q 1/06\)](#)}
- 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 ( <a href="#">B60Q 1/1407</a> , <a href="#">B60Q 1/442</a> , <a href="#">B60Q 1/447</a> take precedence)}	3/275	. . Smoking-related fittings, e.g. cigarette lighters or ashtrays
1/445	. . . {controlled by inertial devices}	3/283	. . Steering wheels; Gear levers
1/447	. . . . {with indication of the braking strength or speed changes, e.g. by changing the shape or intensity of the indication}	3/292	. . Ignition locks
1/448	. . . . {specially adapted for vehicles with ABS}	3/30	. for compartments other than passenger or driving compartments, e.g. luggage or engine compartments
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 <a href="#">F21S 10/06</a> )}	3/35	. . Portable lighting devices
1/48	. . for parking purposes {(warning arrangements in garages <a href="#">E04H 6/42</a> )}	3/40	. specially adapted for specific vehicle types
1/482	. . . {for locating vehicle in parking lot}	3/41	. . for mass transit vehicles, e.g. buses
1/484	. . . {for showing outline of vehicle}	3/43	. . . General lighting
1/486	. . . {for indicating that vehicle is in a parked state}	3/44	. . . Spotlighting, e.g. reading lamps
1/488	. . . {for indicating intention to park}	3/46	. . . Emergency lighting, e.g. for escape routes
1/50	. . for indicating other intentions or conditions, e.g. request for waiting or overtaking	3/47	. . . Circuits; Control arrangements
1/503	. . . {using luminous text displays}	3/49	. . for vehicles with non-fixed roofs, e.g. convertibles
1/506	. . . {for signaling silent vehicles, e.g. for warning that a hybrid or electric vehicle is approaching}	3/50	. Mounting arrangements (for compartments other than passenger or driving compartments <a href="#">B60Q 3/30</a> ; specially adapted for specific vehicle types <a href="#">B60Q 3/40</a> )
1/52	. . . for indicating emergencies {(braking indicating devices <a href="#">B60Q 1/44</a> , portable emergency signal devices <a href="#">B60Q 7/00</a> )}	3/51	. . for mounting lighting devices onto vehicle interior, e.g. onto ceiling or floor
1/525	. . . . {indicating risk of collision between vehicles or with pedestrians (using video cameras <a href="#">B62D 1/00</a> ; radars designed for anti-collision purposes between land vehicles or between land vehicle and fixed obstacles <a href="#">G01S 13/931</a> ; control of position or course in two dimensions for land vehicles <a href="#">G05D 1/021</a> ; anti-collision systems for road vehicles <a href="#">G08G 1/16</a> )}	3/53	. . . Modular mounting systems, e.g. using tracks, rails or multiple plugs
1/54	. . . for indicating speed {outside of the vehicle (automatic vehicle speed controlling fittings including unintended speed signalling devices to the vehicle driver <a href="#">B60K 31/18</a> )}	3/54	. . Lighting devices embedded in interior trim, e.g. in roof liners
1/56	. . for illuminating registrations or the like {, e.g. for licence plates (license plates <a href="#">B60R 13/10</a> )}	3/56	. . Lighting devices mounted on elongate supports, e.g. on flexible arms
<b>3/00</b>	<b>Arrangement of lighting devices for vehicle interiors; Lighting devices specially adapted for vehicle interiors</b>	3/57	. . Retractable or concealable lighting devices
3/10	. for dashboards	3/59	. . Lighting devices mounted in the vehicle interior and adapted for portability
3/12	. . lighting onto the surface to be illuminated	3/60	. characterised by optical aspects
3/14	. . lighting through the surface to be illuminated	3/62	. . using light guides
3/16	. . Circuits; Control arrangements	3/64	. . . for a single lighting device
3/18	. . . for varying the light intensity	3/66	. . . for distributing light among several lighting devices
3/20	. for lighting specific fittings of passenger or driving compartments; mounted on specific fittings of passenger or driving compartments (lighting for dashboards <a href="#">B60Q 3/10</a> )	3/68	. . using ultra-violet light
3/208	. . Sun roofs; Windows	3/70	. characterised by the purpose
3/217	. . Doors, e.g. door sills; Steps	3/72	. . for preventing the driver from being dazzled
3/225	. . Small compartments, e.g. glove compartments	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 <a href="#">B60Q 3/20</a> ; general lighting for mass transit vehicles <a href="#">B60Q 3/43</a> )
3/233	. . Seats; Arm rests; Head rests	3/745	. . . {using lighting panels or mats, e.g. electro-luminescent panels, LED mats}
3/242	. . Safety belts; Body harnesses	3/76	. . for spotlighting, e.g. reading lamps (spotlighting on or for specific fittings <a href="#">B60Q 3/20</a> ; spotlighting in mass transit vehicles <a href="#">B60Q 3/44</a> )
3/252	. . Sun visors	3/78	. . for generating luminous strips, e.g. for marking trim component edges
3/258	. . Rear-view mirrors	3/80	. Circuits; Control arrangements (for dashboards <a href="#">B60Q 3/16</a> ; for mass transit vehicles <a href="#">B60Q 3/47</a> )
3/267	. . Door handles; Hand grips	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
		<b>5/00</b>	<b>Arrangements or adaptations of acoustic signal devices {(sound producing devices in general <a href="#">G10K</a>)}</b>
		5/001	. {Switches therefor}



5/003	. . {mounted on the steering wheel}	2300/00	<b>Indexing codes for automatically adjustable headlamps or automatically dimmable headlamps</b>
5/005	. {automatically actuated}	2300/05	. Special features for controlling or switching of the light beam
5/006	. . {indicating risk of collision between vehicles or with pedestrians (using video cameras <a href="#">B62D 1/00</a> ; radars designed for anti-collision purposes between land vehicles or between land vehicle and fixed obstacles <a href="#">G01S 13/931</a> ; control of position or course in two dimensions for land vehicles <a href="#">G05D 1/021</a> ; anti-collision systems for road vehicles <a href="#">G08G 1/16</a> )}	2300/052	. . Switching delay, i.e. the beam is not switched or changed instantaneously upon occurrence of a condition change
5/008	. . {for signaling silent vehicles, e.g. for warning that a hybrid or electric vehicle is approaching}	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
7/00	<b>Arrangement or adaptation of portable emergency signal devices on vehicles</b>	2300/056	. . Special anti-blinding beams, e.g. a standard beam is chopped or moved in order not to blind
7/005	. {Devices without lamps}	2300/10	. Indexing codes relating to particular vehicle conditions
7/02	. to be attached to overhanging loads or extending parts of vehicle	2300/11	. . Linear movements of the vehicle
9/00	<b>Arrangements or adaptations of signal devices not provided for in one of the preceding main groups, {e.g. haptic signalling}</b>	2300/112	. . . Vehicle speed
9/001	. {Alarm devices when the motor is stopped and the lights are on}	2300/114	. . . Vehicle acceleration or deceleration
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 <a href="#">E04H 6/42</a> )}	2300/116	. . . Vehicle at a stop
9/003	. . {using physical contactors, e.g. arms that trigger alarm upon contact with obstacle}	2300/12	. . Steering parameters
9/004	. . {using wave sensors (radar designed for anti-collision purposes between land vehicles or between land vehicles and fixed obstacles <a href="#">G01S 13/931</a> )}	2300/122	. . . Steering angle
9/005	. . . {using a video camera}	2300/124	. . . Steering speed
9/006	. . . {using a distance sensor}	2300/126	. . . Hysteresis behavior based on steering
9/007	. . {providing information about the distance to an obstacle, e.g. varying sound}	2300/128	. . . Steering dead zone
9/008	. {for anti-collision purposes}	2300/13	. . Attitude of the vehicle body
11/00	<b>Arrangements of monitoring devices for devices provided for in groups <a href="#">B60Q 1/00</a> - <a href="#">B60Q 9/00</a> {(testing of electric installations on road vehicle <a href="#">G01R 31/00</a>)}</b>	2300/132	. . . Pitch
11/002	. {Emergency driving lights in the event of failure of the principal lighting circuit}	2300/134	. . . Yaw
11/005	. {for lighting devices, e.g. indicating if lamps are burning or not}	2300/136	. . . Roll
11/007	. . {the lighting devices indicating change of drive direction (change of drive direction indicators <a href="#">B60Q 1/34</a> )}	2300/14	. . Other vehicle conditions
2200/00	<b>Special features or arrangements of vehicle headlamps</b>	2300/142	. . . Turn signal actuation
2200/30	. Special arrangements for adjusting headlamps, e.g. means for transmitting the movements for adjusting the lamps	2300/144	. . . Rearward ratio actuation
2200/32	. . Ball-joints	2300/146	. . . Abnormalities, e.g. fail-safe
2200/34	. . Deformable parts, i.e. the adjustment is performed by bending or stretching a part	2300/20	. Indexing codes relating to the driver or the passengers
2200/36	. . Conjoint adjustments, i.e. a mechanical link allows conjoint adjustment of several units	2300/21	. . Manual control
2200/38	. . Automatic calibration of motor-driven means for adjusting headlamps, i.e. when switching on the headlamps, not during mounting at factories	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

## B60Q

- 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**

- 2400/10 . Electroluminescent surfaces, i.e. signalling by way of electroluminescent strips or panels

- 2400/20 . Multi-color single source or LED matrix, e.g. 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 signs, i.e. symbol or information is projected onto the road

### **2500/00 Special features or arrangements of vehicle interior lamps**

- 2500/10 . embedded in interior trim, e.g. integrated in headliner layers

- 2500/20 . associated with air conditioning arrangements

### **2900/00 Features of lamps not covered by other groups in [B60Q](#)**

- 2900/10 . Retrofit arrangements

- 2900/20 . Arrangements for easy recycling, e.g. for easy dismantling or use of special materials

- 2900/30 . Lamps commanded by wireless transmissions