

Symbol	Typ	Titel
B	Sektion	PERFORMING OPERATIONS; TRANSPORTING
B60	Untersektion	TRANSPORTING
B60	Klasse	VEHICLES IN GENERAL
B60W	Unterklasse	CONJOINT CONTROL OF VEHICLE SUB-UNITS OF DIFFERENT TYPE OR DIFFERENT FUNCTION; CONTROL SYSTEMS SPECIALLY ADAPTED FOR HYBRID VEHICLES; ROAD VEHICLE DRIVE CONTROL SYSTEMS FOR PURPOSES NOT RELATED TO THE CONTROL OF A PARTICULAR SUB-UNIT [2006.01]
B60W 10/00	Hauptgruppe	Conjoint control of vehicle sub-units of different type or different function (for propulsion of purely electrically-propelled vehicles with power supplied within the vehicle B60L 11/00) [2006.01]
B60W 10/02	1-Punkt Untergruppe	. including control of driveline clutches [2006.01]
B60W 10/04	1-Punkt Untergruppe	. including control of propulsion units [2006.01]
B60W 10/06	2-Punkt Untergruppe	. . including control of combustion engines [2006.01]
B60W 10/08	2-Punkt Untergruppe	. . including control of electric propulsion units, e.g. motors or generators [2006.01]
B60W 10/10	1-Punkt Untergruppe	. including control of change-speed gearings [2006.01, 2012.01]
B60W 10/101	2-Punkt Untergruppe	. . Infinitely variable gearings [2012.01]
B60W 10/103	3-Punkt Untergruppe	. . . of fluid type [2012.01]
B60W 10/105	3-Punkt Untergruppe	. . . of electric type [2012.01]
B60W 10/107	3-Punkt Untergruppe	. . . with endless flexible members [2012.01]
B60W 10/108	3-Punkt Untergruppe	. . . Friction gearings [2012.01]
B60W 10/109	4-Punkt Untergruppe	 of toroid type [2012.01]
B60W 10/11	2-Punkt Untergruppe	. . Stepped gearings [2012.01]
B60W 10/111	3-Punkt Untergruppe	. . . with separate change-speed gear trains arranged in series [2012.01]
B60W 10/113	3-Punkt Untergruppe	. . . with two input flow paths, e.g. double clutch transmission selection of one of the torque flow paths by the corresponding input clutch [2012.01]
B60W 10/115	3-Punkt Untergruppe	. . . with planetary gears [2012.01]
B60W 10/119	1-Punkt Untergruppe	. including control of all-wheel-driveline-means, e.g. transfer gears or clutches for dividing torque between front and rear axles (B60W 10/14 takes precedence) [2012.01]
B60W 10/12	1-Punkt Untergruppe	. including control of differentials [2006.01, 2012.01]
B60W 10/14	2-Punkt Untergruppe	. . Central differentials for dividing torque between front and rear axles [2012.01]
B60W 10/16	2-Punkt Untergruppe	. . Axle differentials, e.g. for dividing torque between the left and right wheels [2012.01]
B60W 10/18	1-Punkt Untergruppe	. including control of braking systems [2006.01, 2012.01]
B60W 10/184	2-Punkt Untergruppe	. . with wheel brakes [2012.01]
B60W 10/188	3-Punkt Untergruppe	. . . hydraulic brakes [2012.01]
B60W 10/192	3-Punkt Untergruppe	. . . electric brakes [2012.01]
B60W 10/196	2-Punkt Untergruppe	. . acting within the driveline, e.g. retarders [2012.01]

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B60W 10/198	2-Punkt Untergruppe	. . with exhaust brakes [2012.01]
B60W 10/20	1-Punkt Untergruppe	. including control of steering systems [2006.01]
B60W 10/22	1-Punkt Untergruppe	. including control of suspension systems [2006.01]
B60W 10/24	1-Punkt Untergruppe	. including control of energy storage means [2006.01]
B60W 10/26	2-Punkt Untergruppe	. . for electrical energy, e.g. batteries or capacitors [2006.01]
B60W 10/28	1-Punkt Untergruppe	. including control of fuel cells [2006.01]
B60W 10/30	1-Punkt Untergruppe	. including control of auxiliary equipment, e.g. air-conditioning compressors or oil pumps [2006.01]
B60W 20/00	Hauptgruppe	Control systems specially adapted for hybrid vehicles [2006.01, 2016.01]
B60W 20/10	1-Punkt Untergruppe	. Controlling the power contribution of each of the prime movers to meet required power demand [2016.01]
B60W 20/11	2-Punkt Untergruppe	. . using model predictive control [MPC] strategies, i.e. control methods based on models predicting performance [2016.01]
B60W 20/12	2-Punkt Untergruppe	. . using control strategies taking into account route information [2016.01]
B60W 20/13	2-Punkt Untergruppe	. . in order to stay within battery power input or output limits; in order to prevent overcharging or battery depletion [2016.01]
B60W 20/14	3-Punkt Untergruppe	. . . in conjunction with braking regeneration [2016.01]
B60W 20/15	2-Punkt Untergruppe	. . Control strategies specially adapted for achieving a particular effect [2016.01]
B60W 20/16	3-Punkt Untergruppe	. . . for reducing engine exhaust emissions [2016.01]
B60W 20/17	3-Punkt Untergruppe	. . . for noise reduction [2016.01]
B60W 20/18	3-Punkt Untergruppe	. . . for avoiding ageing of fuel [2016.01]
B60W 20/19	3-Punkt Untergruppe	. . . for achieving enhanced acceleration [2016.01]
B60W 20/20	1-Punkt Untergruppe	. Control strategies involving selection of hybrid configuration, e.g. selection between series or parallel configuration [2016.01]
B60W 20/30	1-Punkt Untergruppe	. Control strategies involving selection of transmission gear ratio [2016.01]
B60W 20/40	1-Punkt Untergruppe	. Controlling the engagement or disengagement of prime movers, e.g. for transition between prime movers [2016.01]
B60W 20/50	1-Punkt Untergruppe	. Control strategies for responding to system failures, e.g. for fault diagnosis, failsafe operation or limp mode [2016.01]
B60W 30/00	Hauptgruppe	Purposes of road vehicle drive control systems not related to the control of a particular sub-unit, e.g. of systems using conjoint control of vehicle sub-units [2006.01]
B60W 30/02	1-Punkt Untergruppe	. Control of vehicle driving stability [2006.01, 2012.01]
B60W 30/04	2-Punkt Untergruppe	. . related to roll-over prevention [2006.01]
B60W 30/045	2-Punkt Untergruppe	. . Improving turning performance [2012.01]
B60W 30/06	1-Punkt Untergruppe	. Automatic manoeuvring for parking [2006.01]
B60W 30/08	1-Punkt Untergruppe	. Predicting or avoiding probable or impending collision [2006.01, 2012.01]
B60W 30/085	2-Punkt Untergruppe	. . Taking automatic action to adjust vehicle attitude in preparation for collision, e.g. braking for nose dropping [2012.01]

Symbol	Typ	Titel
B60W 30/09	2-Punkt Untergruppe	. . Taking automatic action to avoid collision, e.g. braking and steering [2012.01]
B60W 30/095	2-Punkt Untergruppe	. . Predicting travel path or likelihood of collision [2012.01]
B60W 30/10	1-Punkt Untergruppe	. Path keeping [2006.01]
B60W 30/12	2-Punkt Untergruppe	. . Lane keeping [2006.01]
B60W 30/14	1-Punkt Untergruppe	. Cruise control [2006.01]
B60W 30/16	2-Punkt Untergruppe	. . Control of distance between vehicles, e.g. keeping a distance to preceding vehicle [2006.01, 2012.01]
B60W 30/165	3-Punkt Untergruppe	. . . Automatically following the path of a preceding lead vehicle, e.g. "electronic tow-bar" [2012.01]
B60W 30/17	3-Punkt Untergruppe	. . . with provision for special action when the preceding vehicle comes to a halt, e.g. stop and go [2012.01]
B60W 30/18	1-Punkt Untergruppe	. Propelling the vehicle [2006.01, 2012.01]
B60W 30/182	2-Punkt Untergruppe	. . Selecting between different operative modes, e.g. comfort and performance modes [2012.01]
B60W 30/184	2-Punkt Untergruppe	. . Preventing damage resulting from overload or excessive wear of the driveline [2012.01]
B60W 30/186	3-Punkt Untergruppe	. . . excessive wear or burn out of friction elements, e.g. clutches [2012.01]
B60W 30/188	2-Punkt Untergruppe	. . Controlling power parameters of the driveline, e.g. determining the required power [2012.01]
B60W 30/19	2-Punkt Untergruppe	. . Improvement of gear change, e.g. by synchronisation or smoothing gear shift [2012.01]
B60W 30/192	2-Punkt Untergruppe	. . Mitigating problems related to power-up or power-down of the driveline, e.g. start-up of a cold engine [2012.01]
B60W 30/194	3-Punkt Untergruppe	. . . related to low temperature conditions, e.g. high viscosity of hydraulic fluid [2012.01]
B60W 30/20	2-Punkt Untergruppe	. . Reducing vibrations in the driveline [2006.01]
B60W 40/00	Hauptgruppe	Estimation or calculation of driving parameters for road vehicle drive control systems not related to the control of a particular sub-unit [2006.01]
B60W 40/02	1-Punkt Untergruppe	. related to ambient conditions [2006.01]
B60W 40/04	2-Punkt Untergruppe	. . Traffic conditions [2006.01]
B60W 40/06	2-Punkt Untergruppe	. . Road conditions [2006.01, 2012.01]
B60W 40/064	3-Punkt Untergruppe	. . . Degree of grip [2012.01]
B60W 40/068	3-Punkt Untergruppe	. . . Road friction coefficient [2012.01]
B60W 40/072	3-Punkt Untergruppe	. . . Curvature of the road [2012.01]
B60W 40/076	3-Punkt Untergruppe	. . . Slope angle of the road [2012.01]
B60W 40/08	1-Punkt Untergruppe	. related to drivers or passengers [2006.01, 2012.01]
B60W 40/09	2-Punkt Untergruppe	. . Driving style or behaviour [2012.01]
B60W 40/10	1-Punkt Untergruppe	. related to vehicle motion [2006.01, 2012.01]
B60W 40/101	2-Punkt Untergruppe	. . Side slip angle of tyre [2012.01]
B60W 40/103	2-Punkt Untergruppe	. . Side slip angle of vehicle body [2012.01]
B60W 40/105	2-Punkt Untergruppe	. . Speed [2012.01]

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B60W 40/107	2-Punkt Untergruppe	. . Longitudinal acceleration [2012.01]
B60W 40/109	2-Punkt Untergruppe	. . Lateral acceleration [2012.01]
B60W 40/11	2-Punkt Untergruppe	. . Pitch movement [2012.01]
B60W 40/112	2-Punkt Untergruppe	. . Roll movement [2012.01]
B60W 40/114	2-Punkt Untergruppe	. . Yaw movement [2012.01]
B60W 40/12	1-Punkt Untergruppe	. related to parameters of the vehicle itself [2006.01, 2012.01]
B60W 40/13	2-Punkt Untergruppe	. . Load or weight [2012.01]
B60W 50/00	Hauptgruppe	Details of control systems for road vehicle drive control not related to the control of a particular sub-unit [2006.01]
B60W 50/02	1-Punkt Untergruppe	. Ensuring safety in case of control system failures, e.g. by diagnosing, circumventing or fixing failures [2006.01, 2012.01]
B60W 50/023	2-Punkt Untergruppe	. . Avoiding failures by using redundant parts [2012.01]
B60W 50/029	2-Punkt Untergruppe	. . Adapting to failures or work around with other constraints, e.g. circumvention by avoiding use of failed parts [2012.01]
B60W 50/032	2-Punkt Untergruppe	. . Fixing failures by repairing failed parts, e.g. loosening a sticking valve [2012.01]
B60W 50/035	2-Punkt Untergruppe	. . Bringing the control units into a predefined state, e.g. giving priority to particular actuators [2012.01]
B60W 50/038	2-Punkt Untergruppe	. . Limiting the input power, torque or speed [2012.01]
B60W 50/04	1-Punkt Untergruppe	. Monitoring the functioning of the control system [2006.01]
B60W 50/06	1-Punkt Untergruppe	. Improving the dynamic response of the control system, e.g. improving the speed of regulation or avoiding hunting or overshoot [2006.01]
B60W 50/08	1-Punkt Untergruppe	. Interaction between the driver and the control system [2006.01, 2012.01]
B60W 50/10	2-Punkt Untergruppe	. . Interpretation of driver requests or demands [2012.01]
B60W 50/12	2-Punkt Untergruppe	. . Limiting control by the driver depending on vehicle state, e.g. interlocking means for the control input for preventing unsafe operation [2012.01]
B60W 50/14	2-Punkt Untergruppe	. . Means for informing the driver, warning the driver or prompting a driver intervention [2012.01]
B60W 50/16	3-Punkt Untergruppe	. . . Tactile feedback to the driver, e.g. vibration or force feedback to the driver on the steering wheel or the accelerator pedal [2012.01]